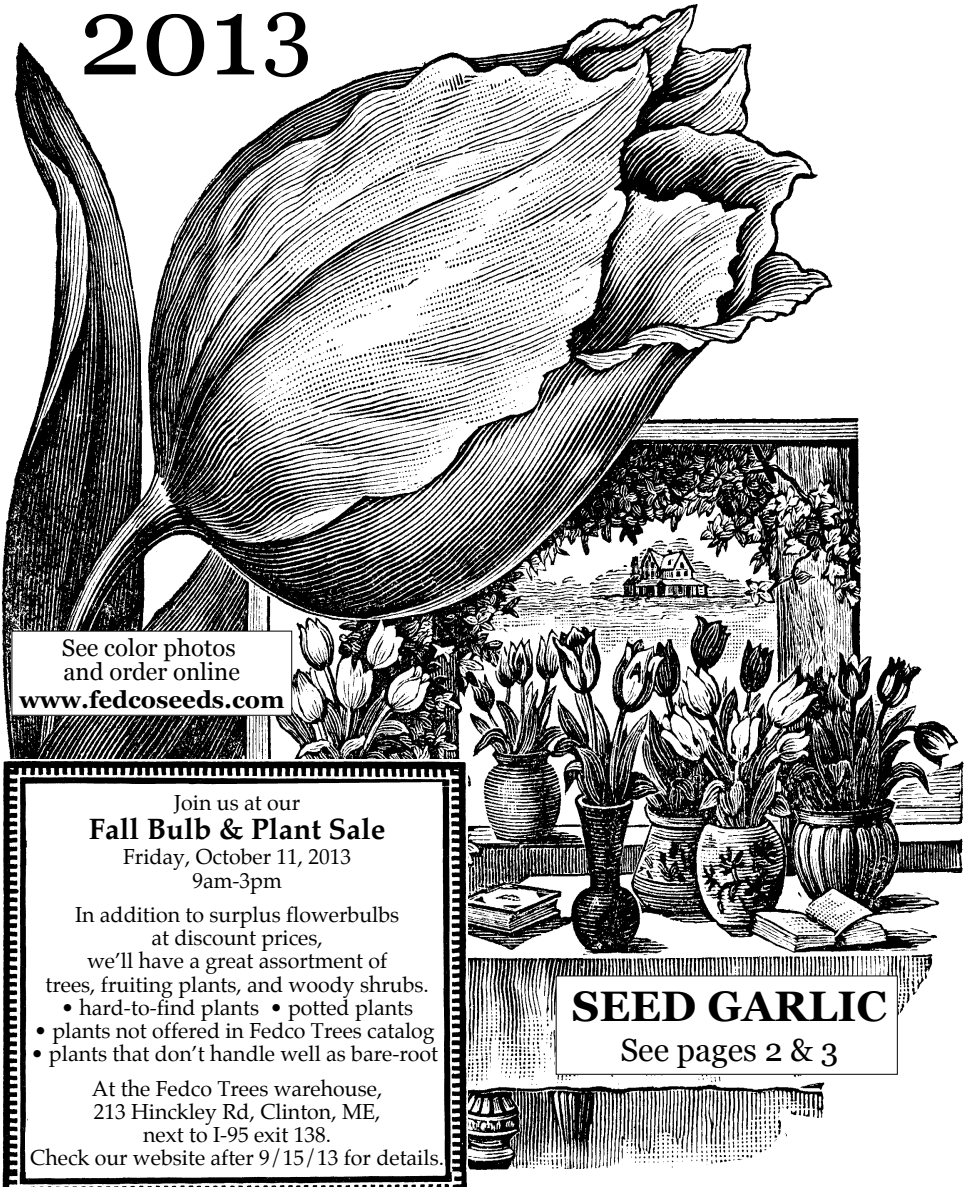
FEDCO BULBS

2013



See color photos
and order online
www.fedcoseeds.com

Join us at our
Fall Bulb & Plant Sale
Friday, October 11, 2013
9am-3pm

In addition to surplus flowerbulbs
at discount prices,
we'll have a great assortment of
trees, fruiting plants, and woody shrubs.
• hard-to-find plants • potted plants
• plants not offered in Fedco Trees catalog
• plants that don't handle well as bare-root

At the Fedco Trees warehouse,
213 Hinckley Rd, Clinton, ME,
next to I-95 exit 138.
Check our website after 9/15/13 for details.

SEED GARLIC
See pages 2 & 3

Welcome to the 29th Fedco Bulbs seasonal offering of fall-planted flowerbulbs, seed garlic, and hardy perennials, with some complementary soil amendments and tools.

We've been fortunate this year to have had a reasonable spring blooming season here in south central Maine. A goodly mix of sun, needed rain, some early warm weather, and a cool enough May for blooms to hold "on the hoof" for lengthy periods has allowed us to reap the beauty that we did "sow" last fall. I hope you had the same bloomin' good time.

We continue to rotate in (and out) Maine-grown varieties to allow you to get a sampling of what our far northeastern corner of the U.S. can produce. Our growers often need to "grow up" their bulb stock one year to supply us the next; including some of the narcissus and daylilies which are **BACK!** this year. This year we offer six varieties of **Maine Grown** seed garlic, two of fall-flowering colchicum, a Siberian iris, four narcissus and two daylilies. Note that some supplies are limited, so order early. Also note the **NEW!** varieties and the good deals ✦¢✦.

One of our goals is to increase the number of crops local Maine agriculture can produce for us.

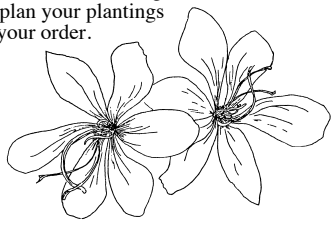
Fedco Bulbs is a part of Fedco Seeds Inc, a consumer/worker cooperative. We put out two other catalogs per year: Fedco Trees, with small fruits and berries, ornamentals, perennials, fruit trees and shade trees; and Fedco Seeds, with garden seeds, seed potatoes, and farm and garden supplies. Let us know if you'd like a copy for yourself or a bundle for your group or co-op.

Write or email us with your suggestions, questions and comments. On behalf of the Bulbs crew, thank you and happy growing.

Kip Penney

Please keep this catalog, as we send only one per year. On pages 10–11 are general planting instructions and a chart with planting depths and spacing. Other plant requirements are given in the descriptions and on our website so you can plan your plantings before you receive your order.

See page 20 for complete ordering information.



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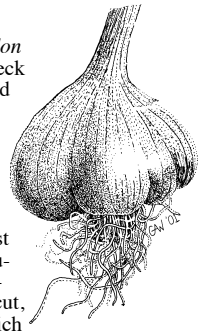
Seed Garlic



Allium sativum subs. *ophioscorodon*

All the garlics this year are hardneck types, which are hardy for our cold New England winters. Hardnecks have greater depth of real garlic flavor than the softnecks typical of the grocery store. Though the stiff neck makes them unsuitable for braiding, they can be tied and hung in attractive bundles. Harvest scapes before they uncurl to stimulate bulb growth; add them to stir-fries, pickles, pesto or salads. Uncut, the scapes form topset bulbils which can be used for replanting or for cooking. Z3-8.

Porcelain-type Garlics

Produce 4-6 very large symmetrical cloves with tight white skins making excellent storage. Huge cloves are wonderful in the kitchen, but also mean fewer cloves per pound. Scapes form arches and curls and loose coils.

Georgian Fire - We are glad to have a local supply of this fiery garlic. Its pungent taste is loved by garlic aficionados and is truly excellent for heating up fresh salsas and sauces. Sizable bulbs with blushed inner skins store well. 20-30 cloves/lb. Eco-grown. **Maine Grown.**

2221: 3 bulbs for $13.00 2222: 2# for $42.00
2223: 5# for $82.00 2224: 20# for $250.00

German Extra-Hardy - Selected for size. Big bulbs typically yield four huge cloves; range is 3-5. Perfect for production pesto-making or avid garlic fans. White outer skin, red inner skins. Excellent storage. May be the same as German Stiffneck and/or German White. 20-30 cloves/lb.

German Extra-Hardy MOFGA-certified organic. **Maine Grown.**

2231: 3 bulbs for $13.00 2232: 2# for $42.00
2233: 5# for $82.00 2234: 20# for $250.00

German Extra-Hardy Eco-grown. **Maine Grown.**

2241: 3 bulbs for $12.25 2242: 2# for $39.00
2243: 5# for $78.00

Music - Organic - Similar to German Extra-Hardy, with large succulent cloves. Our supply comes from Wellspring Farm in central New York state, certified organic since 1991. These consciencious growers are founding members of the Garlic Seed Foundation. 20-30 cloves/lb. NOFA-certified organic.

2251: 3 bulbs for $13.00 2252: 2# for $42.00
2253: 5# for $82.00 2254: 20# for $250.00

Romanian Red - Brought to British Columbia from Romania, this 4-5 clove variety with reddish streaked paper is a strong grower with "good, straight-forward garlic" flavor. It has reliably stored until the following August in our supplier's cool dry dark Maine cellar. 20-30 cloves/lb. Eco-grown. **Maine Grown. NEW!**

2261: 3 bulbs for $12.25 2262: 2# for $39.00
2263: 5# for $78.00

Growing Great Garlic by Ron L. Engeland, 213 pages, 6x9, softcover. If garlic is one of your passions, you'll enjoy this book. An expert who has grown and sold over 100 strains, Engeland has written the definitive guide to growing garlic. Covers varietal differences, fascinating history, and in-depth information on growing, harvesting, storing and marketing.

2211: $17.50

Rocambole-type Garlics

Produce 6-12 large cloves with tan, brown or reddish skins which are very easily peeled. Slightly shorter shelf life due to loosely attached skins. Generally, stores easily until February, and if cured well, can store months longer. Scapes form tight coils.

German Red - Like its rocambole relative Russian Red, German Red has a reddish burgundy skin and light brown cloves, with double cloves common. 6-12 cloves per bulb. Stores wonderfully up to six months or longer. Said to be a medieval strain of garlic brought to North America in the 1700s. 40-70 cloves/lb. Eco-grown. **Maine Grown.**

2271: 3 bulbs for $13.00 *2272: 2# for $42.00*
2273: 5# for $82.00 *2274: 20# for $250.00*

Phillips - Molly Thorkildsen and Will Bonsall obtained this vigorous Rocambole from Raymond Rowe of Phillips, ME. Each bulb contains 6-12 large cloves with a milder flavor than Russian Red. The tan exterior skins and purple mottled clove coverings are substantial, making this an excellent keeper. Slow to emerge in spring, so don't be alarmed when these take an extra two weeks to appear. They catch up quickly and mature at the same time as other varieties. 55-65 cloves/lb. Eco-grown. **Maine Grown.**

2281: 3 bulbs for $14.00
2282: 2# for $45.00
2283: 5# for $90.00
2284: 20# for $280.00

Russian Red - **Organic** - Named for its mottled burgundy skin, said to have been brought to the Pacific Northwest by Russian immigrants in the early 1900s. Forms a ring of 5-8 large plump cloves around a central stalk. Keeps well for over six months. "Delicious garlic flavor with no bitter aftertaste," says RR aficionado M. Coffin. 50-60 cloves/lb. MOFGA-certified organic. **Maine Grown.**

2291: 3 bulbs for $13.00
2292: 2# for $42.00
2293: 5# for $82.00
2294: 20# for $240.00

Walking Onions - **Organic** - *Allium* x *proliferum* Also called **Tree Onions** or **Top-setting Onions**, these are an excellent addition to any permaculture garden, as they have a number of harvest options. Edible topset bulbils form in place of flowers; individual bulbils range 3/16-1/2" in diameter and form a clump 2-2 1/2" across. In spring, harvest bulbs with greens to use as scallions. In summer, snip off bulbils or dig bulbs (3/8-1" across) to use like onions, shallots or garlic. The bulbils do their own planting if you leave them on the plant until their weight bends the stalk to the ground, "walking" to the next planting spot. Or save topsets in a cool, dark and airy place until next planting time, which can be either just before the ground freezes or the following spring. Plant bulbils 1-2" deep, 4-6" apart in rows 10-12" apart in well-prepared soil. One garden writer reports that just 5 bulbils planted one fall led to more than 550 two summers later. The second summer after initial planting, they can become perennial and self sowing. Approximately 5 large bulbils per ounce, 70-90 bulbils per pound. Z3-8. 18-24". Iowa DALS certified organic.

2301: 5 for $4.25 *2302: 10 for $7.75*
2303: 25 for $18.50 *2304: 100 for $65.00*

Basics of Growing Garlic

Prepare a well-groomed seedbed of rich compost or composted manure. Break the bulb into individual cloves.

Plant cloves 5-6" deep and 4-8" apart, mid to late October, to early November, ideally four weeks before the ground freezes. (Time frames are for central Maine, Zone 4.) More food and more space generally gives larger bulbs.

Mulch with 4-6" of hay, leaves or straw.

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In spring, move the mulch away from the emerging tips to free up any spears struggling to get through, then replace it close in, to keep weeds down and moisture levels even.

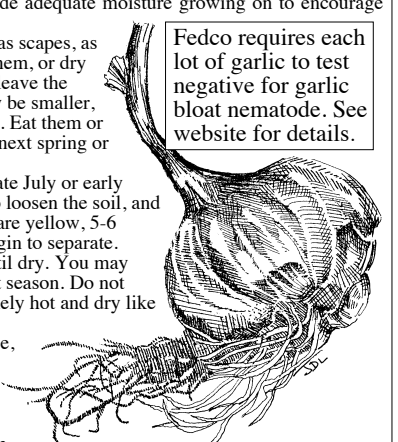
Top dress or foliar feed, and provide adequate moisture growing on to encourage the formation of larger bulbs.

Cut off the "flower" stalks, known as scapes, as they curl around; eat them, compost them, or dry them for winter arrangements. If you leave the scapes on, the underground bulbs may be smaller, but you can harvest the top-set bulbils. Eat them or plant them in fall for fresh greens the next spring or new full-size bulbs in two years.

Fedco requires each lot of garlic to test negative for garlic bloat nematode. See website for details.

Poke around a few garlic bulbs in late July or early August to check growth. Use a fork to loosen the soil, and lift the bulbs when the bottom leaves are yellow, 5-6 green leaves remain, before cloves begin to separate. Cure in a 60-70° shaded airy place until dry. You may need a dehumidifier during a very wet season. Do not field-cure unless the climate is extremely hot and dry like in Gilroy.

Trim, clean, store in a cool dry place, then enjoy.



Blue-Ribbon Garlic Growing Tips are available online at www.fedcoseeds.com/bulbs/garlic.htm

Indoor Bulbs lift our spirits during long northern winters. More satisfying than cut flowers because we can watch as the foliage grows. Enjoy the anticipation as the flower buds form, swell and finally burst open.

Many people stagger their indoor plantings to prolong the season. If you don't plant the bulbs right away, keep them dry and store in a cool dark place.

For instructions on forcing other bulbs for indoors, see page 11.

Amaryllis - *Hippeastrum* - grows outdoors in Zones 9-10 and originates from Central and South America. Those of us in colder climes can plant these magnificent hybrid beauties indoors and enjoy blooms throughout the winter. Remove the pollen-bearing anthers for a longer bloom time and a neater tabletop. Easy to grow, they will return year after year with simple care. 2-3 stalks per bulb.

South American amaryllis are harvested nearly a month before those from Holland. Therefore, they tend to bloom before the early winter holidays, while Dutch amaryllis flower in mid-late winter.

Amaryllis Vase - Clear cylindrical glass vase, 5" diameter and 6" tall, will hold the largest amaryllis or 3 topsize paperwhites. Fill the bottom inch or two with decorative stones or glass to create root space. Low center of gravity helps prevent tipping. Hand-blown in Mexico. Illustrated here, and pictured on our website.

2311: 1 for $7.75 *2312: 2 for $14.50*
2313: 3 for $20.00 *2314: 6 for $36.00*

➢ **JUMBO AMARYLLIS** - Jumbo bulbs produce 2 or more stalks bearing 3-4 large graceful 6-8" blooms per stalk.

'Apple Blossom' - A classically graceful pastel beauty. White lightly brushed with streaks of pink. 18-20". 28-30cm.

2321: 1 for $12.50 *2322: 2 for $23.00*
2323: 3 for $33.00 *2324: 6 for $59.00*

'Picotee' - Pure white flowers with a very fine red edge, up to 8" across. 20-24". 28-30cm.

2331: 1 for $12.50 *2332: 2 for $23.00*
2333: 3 for $33.00 *2334: 6 for $58.00*

'Red Lion' - Big, bold and bright. The classic red amaryllis. 20-22". Larger 30-32cm bulbs from Peru this year. ✦✦

2341: 1 for $9.00 *2342: 2 for $17.00*
2343: 3 for $23.50 *2344: 6 for $40.00*

'Royal Velvet' - Richly saturated deep red flower touched with maroon entices you to peer into its velvety near-black center. 20-25". 26-28cm.

2351: 1 for $12.50 *2352: 2 for $23.00*
2353: 3 for $33.00 *2354: 6 for $58.00*

➢ **DOUBLE AMARYLLIS** 26-28cm.

'Pasadena' - Cherry red with a white starburst marking the center. Showy ruffle-edged petals with a slight feathering of white on their edges. Being a double, you get twice the dose. 20-24".

2361: 1 for $12.00 *2362: 2 for $22.00*
2363: 3 for $32.00 *2364: 6 for $57.00*

'Red Nymph' - A deep red specimen known for its opulent, bounteous, plentitudinous pizzazz, with double and even triple petals. 16-20" stalks with flowers nearly 10" across!

2371: 1 for $12.75 *2372: 2 for $23.50*
2373: 3 for $34.00 *2374: 6 for $60.00*

➢ **MINIATURE AMARYLLIS** - Produce 2-3 stems nearly as tall as the Dutch Jumbos, but the 3-4 flowers per stem are more delicate at 3-4" across.

'Green Goddess' - Gleaming white petals with lime green centers bordered olive to yellow, especially along mid-rib. Up to 12 flowers per bulb. 16-24". 26-28cm.

2381: 1 for $12.00 *2382: 2 for $22.00*
2383: 3 for $32.00 *2384: 6 for $57.00*

'La Paz' - Graceful and ethereal, the slender petals of this spider-type range from a streaked and spotted rose red on upper petals to pale green on lower petals with cherry red centers and long luminous anthers. Parentage includes Bolivian *H. cybister*. 18-22". 20cm/up.

2391: 1 for $12.00 *2392: 2 for $22.00*
2393: 3 for $32.00 *2394: 6 for $56.00*

Paperwhites or **Indoor Narcissus** - *Narcissus tazetta* -

Tall slender stems bear fragrant masses of delicate flowers. Must be grown indoors in Zones 1-6. 'Ziva' is ready to grow, requiring no cold period; all the others will bloom more reliably if allowed to start in a cool place. The longer you store bulbs before planting, the more quickly they bloom. October plantings bloom in four to six weeks; February plantings may take as little as two weeks.

Plant in pebbles or marbles, keeping bulbs above the waterline, or plant in soil for longer-lasting flowers. Group 5-8 bulbs in a container 6" in diameter for a full appearance. Allow to root in a cool (45-60°) dry dark place, for about 3 weeks, checking water level often. Some plantings may need staking to support heavy flower heads.

'Chinese Sacred Lily' - *N. t.* var. *orientalis* - White petals with a golden yellow cup. Takes longer to root than other varieties and has fewer flowers, but its enchanting sweet fragrance is worth it. Said to be good luck to have them blooming on the first day of the Chinese lunar new year. 16-20", 15-16cm.

2401: 5 for $6.00 *2402: 10 for $9.75*
2403: 25 for $22.50 *2404: 100 for $73.00*

'Constantinople' - Highly doubled form of 'Chinese Sacred Lily', with clusters of pure white petals and very ruffled golden to orange cups. In 1730, Robert Furber listed 'Double Narcissus of Constantinople' in his *Twelve Months of Flowers*. Fragrant. 12-14", 15-16 cm.

2411: 5 for $6.00 *2412: 10 for $9.75*
2413: 25 for $22.50 *2414: 100 for $72.00*

Plant Amaryllis between October and May for flowering between December and June

If you do not plant your bulb immediately, store it in a dry dark cool area (45-50°F.)

Before planting, place the bulb and its dangling roots in lukewarm water for several hours. Plant in a pot slightly larger than the diameter of the bulb. Rocks added to the bottom of the pot will decrease tippiness and improve drainage. Cover the bulb to the neck with nutritious potting soil or compost. Press the soil firmly around the bulb. Don't overfill the pot; leave enough room for watering.

In the first few weeks, water sparingly. After the leaves and bud develop, water more frequently. Direct sunlight and warm temperatures encourage proper growth. Lower light and temperature results in taller stems, whereas greater light and temperature promotes shorter stems. Amaryllis generally bloom 6 to 8 weeks after planting; the flowers last nearly 2 weeks.

Cut the stem close to the bulb after the flower fades. The long strap-like leaves will continue to grow, and could take regular feeding to maintain bulb size and strength. Once the weather warms up, the plant can be moved outdoors. In mid to late summer, stop watering and let the leaves die back (or let the first light frost kill them off). Before the first hard frost, bring potted plants back inside and place in a cool dry dark place for 8 to 12 weeks to simulate dormancy.

Bring the bulb back to room temperature, resume watering, and its flowering cycle will begin again.

'Grand Soleil d'Or' - French heirloom "Big Sun of Gold" has medium golden-yellow petals and an orange cup. Light fruity scent. Takes a couple of weeks longer than 'Ziva' to bloom, about 4-6 weeks. 12-14", 15-16cm.

2421: 5 for $5.00 *2422: 10 for $8.50*
2423: 25 for $19.50 *2424: 100 for $68.00*

'Nir' - All-white blooms have slightly larger florets than 'Ziva', with a more moderate fragrance. 'Nir' also has more stems per bulb than other types. 14-16". Jumbo 19cm/up bulbs. ✦¢✦

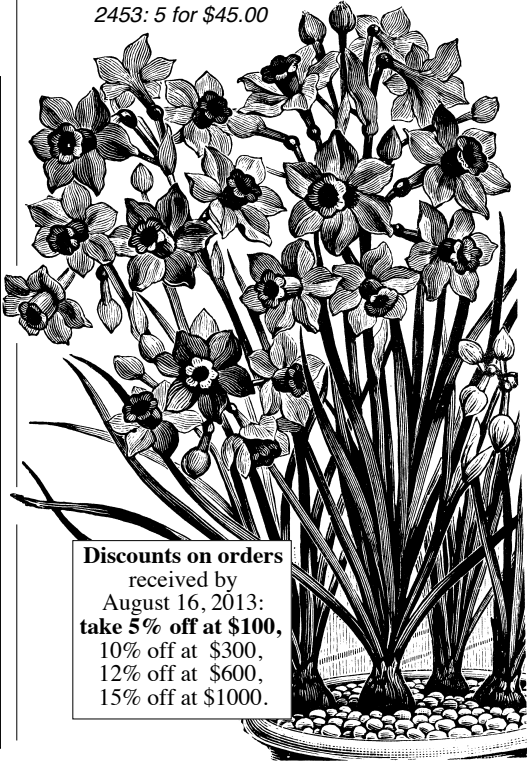
2431: 5 for $7.50 *2432: 10 for $12.75*
2433: 25 for $29.00 *2434: 100 for $98.00*

'Ziva' - Early paperwhite, one of the fastest to force (about 2 weeks, once planted) and the most floriferous. White flowers with strong musky spicy fragrance. Bulbs will not hold until late winter. 16-18", 16-17cm.

2441: 5 for $5.50 *2442: 10 for $9.00*
2443: 25 for $20.50 *2444: 100 for $70.00*

Paperwhite Gift Kit - Includes three 'Ziva' paperwhites, enough "professional growing medium" to plant the 14-15cm bulbs, and a handsome 3x3x10" brushed copper oval planter with handles (the same as the Saffron Crocus Kit on page 6). Spill-proof packaging for shipping. Excellent for holiday gift-giving.

2451: 1 for $10.00 *2452: 2 for $19.00*
2453: 5 for $45.00

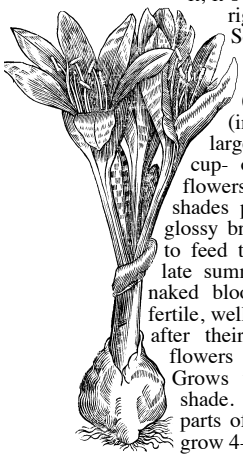


Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Early Shipment of Fall-blooming Corms

Only these "E" items on pp. 6-9 are available for early shipment, after Labor Day. **Final order date for these items is Friday, August 16.**

Colchicum - Colloquially called **Fall Crocus** and in some locales **Meadow Saffron** (but don't taste it, it's toxic. Real saffron offered at right). Flowerstalks emerge in September, long after the leaves have died back, giving rise to the terms Naked Boys (in the U.S.) and Naked Girls (in Britain). In early fall, the large bulb-like corms send up cup- or goblet-shaped crocus-like flowers, up to five per stem, in shades pastel to vibrant. Handsome glossy broad leaves emerge in spring to feed the corms, then die back by late summer to make way for fall's naked bloom. Plant base 5" deep in fertile, well-drained soil. And do it *soon* after their arrival or you may find flowers climbing out of their bags. Grows well in full sun or partial shade. Native to western Asia and parts of the Mediterranean. Flowers grow 4-8", greens 8-12". Z4-9.



'The Giant' - Organic - Violet to rosy pink with a white base, a hybrid of *C. giganteum* x *C. bornmuelleri*. 3" petals open nearly flat in bright sun and can form a cheery mat in time. 6-8", 18cm/up. MOFGA-certified. **Maine Grown.**

E1011: 1 for $6.25 E1012: 3 for $16.75
E1013: 6 for $31.50 E1014: 12 for $57.00

'Waterlily' - *C. speciosum* hybrid - Pink to mauve many-petalled fully doubled flowers in early fall really do look like waterlilies sprouting from the ground. May take a year to establish before flowering. We had some surplus bulbs in 2009 that bloomed in the boxes, pale and wan. I carefully transplanted them with the flowers above ground in early October. They colored up, and have bloomed beautifully each year since. 5-6", 16cm/up.

E1021: 1 for $5.75 E1022: 3 for $15.75
E1023: 6 for $28.50 E1024: 12 for $51.00

Colchicum Naturalizing Mix - Organic - We are indeed fortunate that local producers of our colchicum 'The Giant' are needing space in their production beds. This special mix of colchicum varieties is a once-in-a-lifetime chance to stock up on these reliable fall-flowering beauties in various colors of white, violet, rose and dark pink. 4-8" field run bulbs. MOFGA-certified organic. **Maine Grown. ✦¢✦ NEW!**

E1031: 3 for $13.00 E1032: 6 for $24.00
E1033: 12 for $45.00

Autumn-flowering Crocus - Plant these in a sunny well-drained somewhat protected spot where they will be visible during this flower-sparse time of year.

C. sativus - **Saffron Crocus** - Valued for millennia for its three extra-long orange-red stigmas collected for dye, medicine and seasoning. The domesticated sterile flower opens broadly in the October sun. Petals range from light lilac to violet with darker veins. Blooms accompanied by classic crocus leaves. While it takes about 68,000 flowers to make a pound of saffron, you can begin your home supply, harvesting the stigmas at just the right moment.

Lightly forking the bed in the summer when corms are dormant will help separate and spread the bulblets in the bed. May not bloom the first fall. Prefers friable well-watered, well-drained soil with high organic matter in full sun. Native to southwest Asia. Some say Zone 6, but others say Z5-9 with good drainage, 3-4". 9cm/up.

E1041: 5 for $3.25 E1042: 10 for $5.50
E1043: 25 for $12.50 E1044: 100 for $38.00

Saffron Crocus Gift Kit

Saffron Crocus Gift Kit - Five fall-blooming saffron crocus bulbs (9-10cm) and a 3"-tall brushed copper 10x3" oval planter with handles. Also includes enough "professional growing medium" for planting, in a spill-proof package for shipping. Suitable for display indoors or out. Illustrated above, and pictured on our website.

E1051: 1 for $9.50 E1052: 2 for $17.50
E1053: 5 for $40.00

C. speciosus - Violet blue, earliest of the fall-flowering crocus to bloom, so plant them promptly. Wild fringey stamens inside veined flowers on long stems. Plant closely for support, or among ground covers. Spreads easily and rapidly. Leafs out in spring. Z4-9, 4", perhaps taller in later years. 5cm/up. ✦¢✦

E1061: 5 for $2.25 E1062: 10 for $3.75
E1063: 25 for $8.50 E1064: 100 for $29.50

See color photos and order online
www.fedcoseeds.com

Early Shipment of Perennials

Daylilies - *Hemerocallis* - Low-maintenance perennials which produce a clump of narrow arched leaves topped with lily-shaped flowers from July to September. A single daylily flower has three petals and three sepals, collectively called tepals, each with a midrib in the same or in a contrasting color. *Hemerocallis* means beautiful day, referring to the fact that each flower lasts only a day; but since each flower scape is covered with buds, bloom periods can be extensive.

This year we are adding three varieties that are more favorably priced for you thrifty customers, including a third member of the continuous-flowering compact Stella series. We are also offering two daylily varieties from Deer Wood Gardens in Waterford. Let us know other varieties you'd like us to offer in the future.

Plant 12-18" apart in average soil; benefits from a shovel or two of compost. Very hardy, flourishes under a wide range of conditions, from full sun to shade, wet to dry. To aid rebloomers, remove spent flowers before they form seed capsules. U.S.-grown 2-3 fan divisions.

'Decatur Fairy Queen' - Rich golden-yellow blended with pink undertones. The three 5½" petals are broad and crinkle-edged, while the three sepals are narrower, giving the flowers a somewhat triangular form. Prolific bloomers begin after most other day lilies are fading. Stunning, says grower Beverly Hendricks. 25-27". M-LSu. **Maine Grown. NEW!**

E1071: 1 for $9.50 E1072: 3 for $23.75
E1073: 6 for $42.00 E1074: 12 for $75.00

'Fountain Tune' - Broadly overlapping, slightly recurving, light lavender-mauve tepals with purple veins. Red pistils and purple stigmas contrast sharply with yellow-green throat on this hardy fast-growing plant. 26-28", MSu. Z3-8. **Maine Grown. BACK!**

E1081: 1 for $9.50 E1082: 3 for $23.75
E1083: 6 for $42.00 E1084: 12 for $75.00

'Pandora's Box' - Well-known 4" fragrant flower has ivory-cream petals with a purple-maroon eye ring and a gold-yellow throat. Z3-8, 28", E-MSu. ✦¢✦

E1091: 1 for $5.25 E1092: 3 for $14.00
E1093: 6 for $24.00 E1094: 12 for $45.00

'Purple de Oro' - Lavender-purple tepals with darker purple veins, lighter mid ribs, gold throat. Broad, slightly reflexed and ruffle-edged 3" petals. The 20" flower stalks, continuous blooming tendencies, and compact habit make this Stella family member excellent for containers as well as the garden. Yellow throat, and light green deep in eye. E-MSu. **NEW!**

E1101: 1 for $5.00 E1102: 3 for $13.00
E1103: 6 for $23.00 E1104: 12 for $40.00

'Ruby Stella' - Scarlet flowers with deep wine-red markings, a striking yellow-bordered greenish throat, and red anthers for highlights. Blooms from early summer until first frost. Foliage from 14-18" tall and flower scapes up to 22". This easy bloomer performs best in full sun, tolerates drought and does not require deadheading, pruning or pinching. Z4-11, E-LSu.

E1111: 1 for $5.75 E1112: 3 for $14.50
E1113: 6 for $25.50 E1114: 12 for $47.00

'Serene Madonna' - Broad, slightly reflexed creamy white 6" tepals, edges lightly fluted, with lemony yellow to pale green throat. Fragrant repeat bloomer. 26". **NEW!**

E1121: 1 for $5.00 E1122: 3 for $13.00
E1123: 6 for $23.00 E1124: 12 for $40.00

'Stella Supreme' - Soft lemon tepals, mildly reflexed, with a citrus scent. Like its parent 'Stella de Oro', 'Stella Supreme' blooms early and lasts even longer, often until the first frost. Foliage reaches 14" and flower scapes reach 20". Performs best in full sun, is drought tolerant and does not require deadheading, pruning or pinching. Z4-11, E-LSu.

E1131: 1 for $5.75 E1132: 3 for $14.50
E1133: 6 for $25.50 E1134: 12 for $47.00

'Strawberry Candy' - Deliciously pale pink 4" tepals surround a broad rose-red ring and a yellow-green throat. Often has picotee edge of matching rose. Repeat bloomer. Z3-8, 26", E-MSu.

E1141: 1 for $5.25 E1142: 3 for $14.00
E1143: 6 for $24.00 E1144: 12 for $45.00

Combine early-shipment items with regular items for volume discounts.
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Bearded Iris

Iris x *germanica* - A hardy perennial and fine cutflower, with multiple 3-6" blooms on each flower stalk. Strong sword-shaped foliage. Beards are soft hairs protruding up from the crest of each fall, often in contrasting colors. Awards listed are given by the American Iris Society. See page 15 for listings of bulbous, Japanese and Siberian iris and an explanation of floral structures.

Blooming begins in the first real heat of late May or early June. Those listed as rebloomers may have a second blooming period later in the season depending on climate and cultivation practices.

Plant rhizomes horizontally, less than 1" deep, in clusters with new growth facing outward. Vigorous plants, so give them room to spread. They appreciate full sun and dry, light, limed soil and require good drainage. May take a year to establish before blooming. Clumps need dividing every 4-5 years. Z4-8, LS. #1 fieldgrown rhizomes.

'Batik' - Standards and falls purple with finely etched streaks of white throughout and a shimmering gold and silver beard. 24-26". 1992 Knowlton Award winner.

E1151: 1 for $5.00 E1152: 3 for $12.75
E1153: 6 for $22.75 E1154: 12 for $41.00

'Best Bet' - Purplish-blue lightly ruffled falls, dappled white around the beard, which can be gold in the throat and bluish-purple further out. Standards a shimmering marble white to very pale wisteria blue. Stunning color, and a rebloomer in long-season locations. 34-36".

E1161: 1 for $5.00
E1162: 3 for $12.75
E1163: 6 for $22.75
E1164: 12 for $42.00

'Beverly Sills' - Pale laced coral pink with tangerine beards, ruffled and flaring. This award-winning reblooming iris is our best seller. Fast growing and heavy blooming. 1983 Award of Merit, 1985 American Dykes Medal. 30-35".

E1171: 1 for $5.00
E1172: 3 for $12.75
E1173: 6 for $22.75
E1174: 12 for $41.00

'Bewilderbeast' - Streaked all over in silver-white, this beast-cum-beauty displays light violet-mauve standards, with dark purple-mauve widely flared falls. Sunshine-gold shoulders with mauve veining and a brilliant honey-gold beard. Incredible color melange, light ruffling, and light fragrance. Mid-season bloomer. 1999 Award of Merit winner. 30-36". **NEW!**

E1181: 1 for $6.50
E1182: 3 for $16.25
E1183: 6 for $29.50
E1184: 12 for $53.00

'Immortality' - Pure white standards and falls; a pale yellow blush peeks out of shadow areas. Fragrant rebloomer with frothy white beard stands tall, and makes a smart contrast with its foliage and the purple-blue of lupines. 28-29".

E1191: 1 for $5.00 E1192: 3 for $12.75
E1193: 6 for $22.75 E1194: 12 for $41.00

'Orange Harvest' - Rebloomer with bright sunny orange standards and deep orange-red falls sporting a yellow-gold beard. Large substantial flowers really shine. Slight fragrance. 30-36".

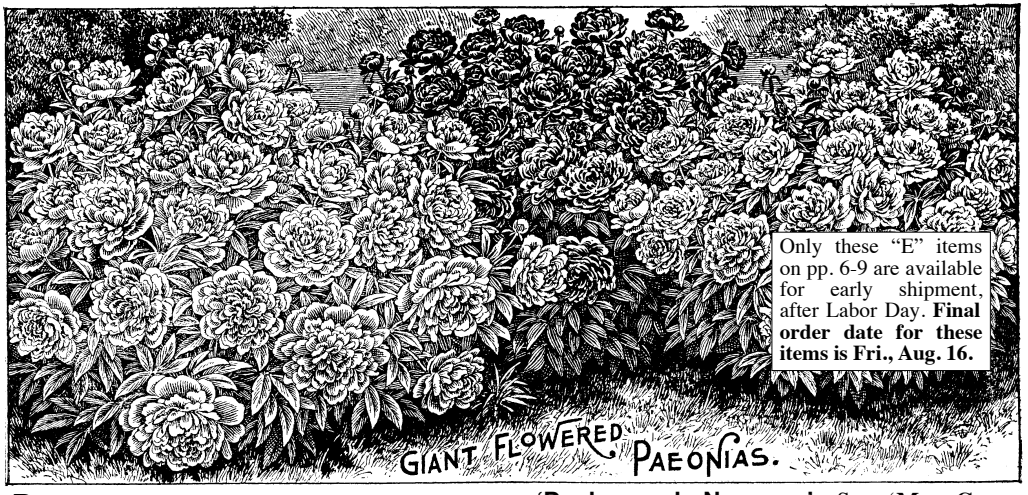
E1201: 1 for $5.50 E1202: 3 for $13.75
E1203: 6 for $25.50 E1204: 12 for $48.00

'Superstition' - Rich purple-black self. Even the beard is a deep dark maroon. In the shade or on an overcast day, it really looks black. Especially astounding next to lupine 'My Red Castles' in the vase or garden. 1981 Award of Merit. 30-35".

E1211: 1 for $5.00 E1212: 3 for $12.75
E1213: 6 for $22.75 E1214: 12 for $41.00

Bearded Iris Mix - A variety of colors at a variety of bloom times. Purples, blues, yellows, whites, pinks and more—plant a bunch and there'll be something to admire all iris season. 25-36".

E1221: 3 for $13.50 E1222: 6 for $25.00
E1223: 12 for $45.00 E1224: 24 for $85.00



Only these "E" items on pp. 6-9 are available for early shipment, after Labor Day. **Final order date for these items is Fri., Aug. 16.**

Peony - *Paeonia lactiflora* - Reliable, long-lived hardy herbaceous perennials. Shoots appear in spring, from maroonish-red to forest green, and form a bushy clump, about 3x3', of lustrous dark green deeply lobed foliage. Fat spherical buds on sturdy stems above the foliage gradually open into large beautiful flowers from late spring to early summer. Huge flowers are stunning on the bush and wonderful when cut. Ants on peony buds are normal, so leave them alone; if you're trying to bring cuts indoors, dunk them in a bucket of water to wash off the ants. Commonly called Chinese peony; native from Tibet to Siberia.

Plant 2-3' apart with eyes no more than 1-1 1/2" below the surface in well-drained soil, full sun to partial shade. May take 3-5 years to establish before blooming, and resents being disturbed. U.S.-grown roots. Z3-8, LS-ESu.

'Benjamin Franklin' - Like its namesake, this peony is a very hardy late bloomer. A substantial double, deep red with slight lavender tinge, the 1907 cultivar had been hidden in the archives for decades and is beginning to be appreciated again for its prolific blooms and tantalizing fragrance. We daresay Ben would have said, "A peony saved is a peony earned." 20-24". 2/3 eyes.

E1231: 1 for $7.50 E1232: 2 for $14.00
E1233: 3 for $20.00 E1234: 6 for $36.00

'Bowl of Beauty' - Striking bicolor with deep rose red petals inside and soft pink outside contrasted by a large frilly creamy yellow staminode center. Beautiful "Japanese" or "anemone-form" flowers are up to 8" wide. 24-30". 2/3 eyes.

E1241: 1 for $8.25 E1242: 2 for $15.50
E1243: 3 for $22.00 E1244: 6 for $38.00

'Coral Charm' - Coral is apropos for this indefinable melange of apricot, melon, pink, peach, yellow and even orange. This semi-double Japanese-type flower, 6" across, tends to stay cupped until late in its lengthy bloom-time. Then, fading a bit toward yellow, its petals relax to display their striking yellow-gold centers. 24-28". 2/3 eyes.

E1251: 1 for $8.50 E1252: 2 for $16.00
E1253: 3 for $23.50 E1254: 6 for $40.00

'Duchesse de Nemours' - Syn. '**Mrs. Gwyn Lewis**'. Early for a peony, the Duchesse produces 5-7" flowers with spreading outer petals completely mounded over with lush white fragrant ruffled inner petals. Center petals are lit from within by their luminous yellow base. A notably stocky, sturdy and vigorous fully double cultivar. 28-32". 2/3 eyes.

E1261: 1 for $7.75 E1262: 2 for $13.50
E1263: 3 for $20.00 E1264: 6 for $37.00

'Sarah Bernhardt' - Fragrant flowers open light rose-pink. Matures to a more delicate pink with a slight creamy-silvery edge. Fully double flowers, 6-8" across, appear richly full but not crammed, toward the end of the season. 32-36". 3/5 eyes. ✦¢✦

E1271: 1 for $5.75 E1272: 2 for $10.00
E1273: 3 for $17.00 E1274: 6 for $27.50

***Paeonia officinalis* 'Rubra Plena'** - Intense crimson red 4-5" fully double flowers appear *early*. Sometimes called **Memorial Day Peony**. Sturdy stems support the satiny ruffled petals. Compact habit makes it suitable for containers. This is a European species, and its gray-green oval leaves look different from the typical Chinese peony. In gardens since the 16th century. 34-36". 2/3 eyes.

E1281: 1 for $7.00
E1282: 2 for $11.75
E1283: 3 for $15.75
E1284: 6 for $29.00

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Planting Outdoors

All the varieties of outdoor bulbs we offer are adapted to Maine's climate. With the climate changing, Waterville has changed from USDA Zone 4 to Zone 5. Fifty miles to the west in the mountains is still Zone 3 however; and fifty miles east on the coast is now Zone 6. Local cold pockets, northern slopes, hills and lakes can all affect your micro-climate, and may make the large-scale maps printed by the USDA inaccurate for your plot. Your cooperative extension service may have maps showing local zones. You can use rock walls and heavy mulch to shift conditions to your advantage.

Planning and Planting

Bulbs are easy to work with, very rewarding and forgiving. They look best planted in groups or clumps, naturalized in the sod, under trees, or in beds, borders or rock garden. Good drainage is essential; bulbs will grow poorly or rot if they are too wet.

Prepare beds by mixing a bulb fertilizer, bonemeal and wood ashes, or other phosphorus and potassium sources into the soil below the level of the bulbs. Mix in compost to lighten heavy soils and increase nutrients. Peat is acidic—use with caution. Although widely available, Holland Bulb Booster contains ingredients which are not approved for organic growers.

Plant bulbs pointed side up; generally the depth of the hole is three times the bulb's height. See the chart on this page showing suggested planting depth and spacing. Topdress the bed with compost.

Mulch your bulbs with 4-6" of leaves, bark, straw, etc. after the ground freezes, especially if you plant them next to your house. Otherwise, basement heat and reflected sunlight will remove the insulating snow cover, exposing them to alternating sunny days and freezing nights and damaging their growth tips. Wherever they're planted, bulbs need insulation. You need to mulch unless you can depend on winter to provide a consistent snow cover heavy enough to last through a January thaw. A good mulch can also give protection up to half a hardiness zone, enabling you to experiment with bulbs not quite hardy in your zone.

Do not remove the mulch too early in the spring. By keeping the soil from thawing, mulch prevents heaving and false starts in early warm spells and delays flowering slightly for a more uniform and longer-lasting display. Remove mulch as the bulbs begin to peek through in the spring and dress the bed with compost.

Pinch the blooms as they fade to discourage seed production and force the energy back into the bulb. This is especially important for tulips and hyacinths, which can otherwise lose their vigor in 2-3 years.

Do not cut the foliage as long as it remains green; it produces the food for future blooms. Cut leaves only after they yellow. Sidedress with fertilizer or compost in late summer to mid-fall.

Troubleshooting

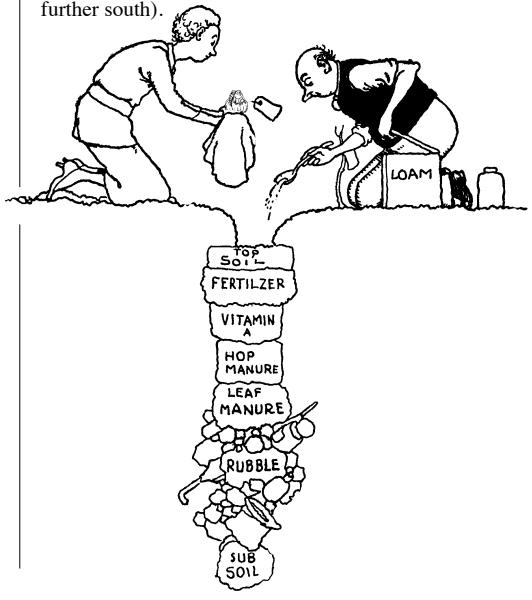
If squirrels, chipmunks or voles are a problem, try chicken wire or sharp gravel placed in the ground surrounding the bulbs. (Blood meal repels many critters, but it may also repel people and attract dogs.) Or plant Narcissus, Allium, Fritillaria or Ipheion, which critters don't generally bother.

To disrupt squirrels' ability to "smell out" the bulbs in new plantings, we routinely dust those areas with black pepper and ground cloves in the fall right after planting and again in the spring when growth first emerges. The odor in the yard, reminiscent of chai, is a nice touch.

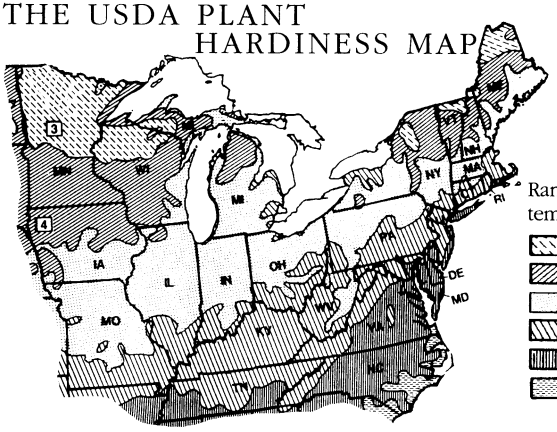
TYPE	SPACING	DEPTH
ALLIUM, large	6-12" apart	4-8"
ALLIUM, small	1-3" apart	3-4"
ANEMONE blanda ‡	4" apart	2-3"
CAMASSIA	6-8" apart	4-6"
CHIONODOXA	1-3" apart	3-4"
COLCHICUM*	6-9" apart	4"
CROCUS, fall, jumbo & snow	1-4" apart	3-4"
CYCLAMEN	6-8" apart	1-2"
ERANTHIS ‡*	3-4" apart	3-4"
ERYTHRONIUM	3-4" apart	4"
FRITILLARIA imperialis*	8-10" apart	6"
FRITILLARIA meleagris	4-5" apart	3-4"
GARLIC*	4-6" apart	5-6"
GALANTHUS*	2-4" apart	3-4"
HEMEROCALLIS*	12-18" apart	to 1"
HYACINTH*	3-4" apart	5-8"
HYACINTHOIDES*	3-4" apart	3-5"
IPHEION*	1-3" apart	2-3"
IRIS, dwarf, dutch	2-4" apart	3-4"
IRIS, bearded*	6-18" apart	to 1"
IRIS, siberian, japanese	6-8" apart	2-3"
LEUCOJUM*	2-3" apart	2-3"
LILY*	6" apart	6-8"
MUSCARI	2-3" apart	3-4"
NARCISSUS, large	4-6" apart	6-10"
NARCISSUS, small	3-4" apart	4-6"
NECTAROSCORDUM	4-8" apart	2-3"
ORNITHOGALUM	3-4" apart	3-4"
PEONY*	2-3' apart	to 1"
PUSCHKINIA	2-4" apart	3-4"
SCILLA	2-4" apart	3-4"
TULIPS, garden*	4-6" apart	6-10"
TULIPS, species	2-3" apart	3-4"

Use deeper depths for colder areas and in sandy soils.
*Additional planting information is in descriptions or headers.
‡Corms: soak 24 hours before planting.

If after several years your bulbs produce leaves but not flowers, they may be suffering from overcrowding (dig in autumn, separate and replant), insufficient sun (move to new location), undernourishment (sidedress thoroughly) or marginal zone hardiness (give to a friend further south).



THE USDA PLANT HARDINESS MAP



Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦✦✦ indicates an exceptionally good deal.

Range of average annual minimum temperatures for each zone

Zone 3	-40° to	-30°
Zone 4	-30° to	-20°
Zone 5	-20° to	-10°
Zone 6	-10° to	0°
Zone 7	0° to	10°
Zone 8	10° to	20°

Forcing Bulbs Indoors

Why not enjoy your favorite spring bulbs all winter long? With a little extra attention, you can grow many bulbs indoors. While paperwhites and amaryllis are ready to plant and grow, all other bulbs must be cooled for a time to fulfill their winter dormancy requirements before they will flower. This cooling process is often called "forcing" and is intended to mimic the action of nature outdoors.

Planting: Choose a pot shallow and wide enough to hold several bulbs. Fill the pot partway with stones or other coarse material, set the bulbs in root side down, then fill the container with fine stones, sand, light potting mix or other material until the bulbs are about two-thirds covered. The bulbs already contain all the nutrients needed to bloom once, and too rich a soil may cause them to rot. Water up to the base of the bulbs. Or use a hyacinth glass: Fill with water to the base of the bulb, and do not let it get dry.

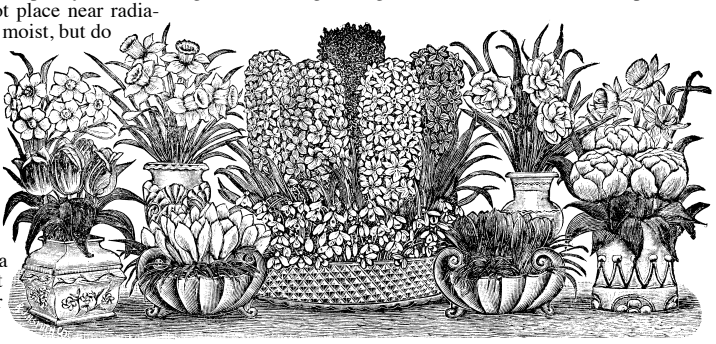
Cooling: After watering, cover the pot with plastic, punch a few holes for circulation, and place in the fridge (this works well because the temperature is consistent, just be sure to keep the bulbs away from fruit). Or, place them in a garage, unheated basement, root cellar, outdoors covered with 6-8" of leaves and earth, or other dark place at 35-40°F. The bulbs will not be hurt by light frost but will be harmed by heat or a hard freeze.

Bulb Genus	weeks of: cooling	indirect light
Anemone, Crocus, Chionodoxa, Galanthus, Leucojum, Scilla	8-12	1-3
Iris reticulata, Muscari, Narcissus (divs 5-8, 12)	10-14	2-3
Hyacinthus. Narcissus (divs 1-4, 9, 11), Tulipa	12-16	2-4

The bulbs are ready when you can see roots at the bottom of the pot, and leaf tips are beginning to emerge. Bring the bulbs into a cool area (50-65°F) with plenty of indirect light to encourage leaf growth. Too much heat at this point will cause premature flowering; do not place near radiators or wood stoves. Keep the soil moist, but do not overwater.

When 3-5" of leaf growth has appeared, bring the pots into direct light to encourage flowering. Once blooms have appeared, remove pots from direct sun to keep colors from fading quickly.

Plant forced bulbs in the garden in spring, or let them go dormant in their pots and plant them in fall. They will not force well a second time. The bulbs may not blossom until the 2nd spring after they were planted outdoors.



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See color photos and order online
www.fedcoseeds.com

Collections

contain each variety individually packaged and labeled, all topsize bulbs (except where noted). Planting suggestions accompany each collection. We reserve the right to substitute a similar variety should one become unavailable.

The Classic Collection - We've revamped our version of this easy garden in primary colors for bright spring color. Originally inspired by the famous combination at Keukenhof Gardens in Lisse, South Holland—a blue river with red and yellow banks. Contains 15 red 'Parade' and 15 yellow 'Golden Parade' Darwin Hybrid tulips, and 50 *Muscari armeniacum* Grape Hyacinths. **NEW!**

3511: 1 for $16.00 3512: 2 for $30.00

The Low Border - A "heralds of spring" early border, for 3-4 sq. ft, with crocus, dwarf iris, snowdrops and more. Early spring color for naturalizing, tucking into a corner, or overplanting in an existing bed. Ninety bulbs:10 Jumbo Crocus mix (7-8cm), 10 Species Crocus mix, 10 *Iris danfordiae*, 10 *Iris reticulata* 'Harmony', 10 *Chionodoxa forbesii*, 10 *Eranthis*, 10 *Galanthus nivalis*, 10 *Puschkinia scilloides*, 10 *Scilla siberica*. Most will slowly spread and fill in over time.

3521: 1 for $25.50 3522: 2 for $49.00

Crocus

provide a burst of color in early spring and are great for naturalizing. Once established, they can spread by "cormlets" and seed in well-drained areas. Foliage of low-growing varieties fades before the grass needs mowing. One of the most popular genera, they are welcome precursors of spring—colorful, long-lived, and easy to grow. Their waxy coat allows them to bloom even through a late snow.

Species Crocus mix - A mix of colors, mostly *C. chrysanthus*, with some of the other small species as well. Z3-8, 2-4", VE. 5-7cm.

3531: 20 for $5.00
3532: 40 for $8.40
3533: 100 for $18.75
3534: 300 for $52.00

'Miss Vaan' - *Crocus biflorus* - Pure white, with a lemon-yellow throat, 2-4 fragrant flowers per bulb. Rounded petals and greyish-green leaves. Species widely distributed Italy to Caucasus. Doesn't tolerate damp soil in summer. Z3-8, 2-4", VE. 5cm/up. **NEW!**

3541: 10 for $3.60 3542: 20 for $6.00
3543: 50 for $13.50 3544: 200 for $45.00

➢ **C. chrysanthus - Golden** or **Snow Crocus** - The best-known small crocus species. Up to 4 fragrant flowers per corm, with rounded petals. Native to Greece, Turkey and the Balkans. Z3-8, 3-4", VE. 5cm/up.

'Blue Bird' - Violet-blue petals edged in white. White to very pale blue inside with orange stamens.

3551: 10 for $3.60 3552: 20 for $6.00
3553: 50 for $13.50 3554: 200 for $46.00

'Blue Pearl' - Pale blue petals with a bronze base outside, pure white inside with a yellow base.

3561: 10 for $3.60 3562: 20 for $6.00
3563: 50 for $13.50 3564: 200 for $45.00

'Cream Beauty' - Light eggnog cream with a bronze base and orange stamens. An unusual and attractive color for crocus. ✦✆✦

3571: 10 for $2.75 3572: 20 for $4.60
3573: 50 for $10.40 3574: 200 for $34.00

'Dorothy' - Bright deep orange-yellow inside with bronzy feathering on the base outside.

3581: 10 for $3.60 3582: 20 for $6.00
3583: 50 for $13.50 3584: 200 for $46.00

'Lady Killer' - Slightly pointed petals broadly brushed with royal purple on the outside. Inside is snow white, with bright orange stamens for a striking contrast. Sharp and snappy, a real good looker.

3591: 10 for $3.60 3592: 20 for $6.00
3593: 50 for $13.50 3594: 200 for $45.00

'Zwanenburg Bronze' - Rich saffron yellow inside, golden yellow outside heavily brushed with warm reddish bronze.

3601: 10 for $3.50 3602: 20 for $5.75
3603: 50 for $13.25 3604: 200 for $44.00

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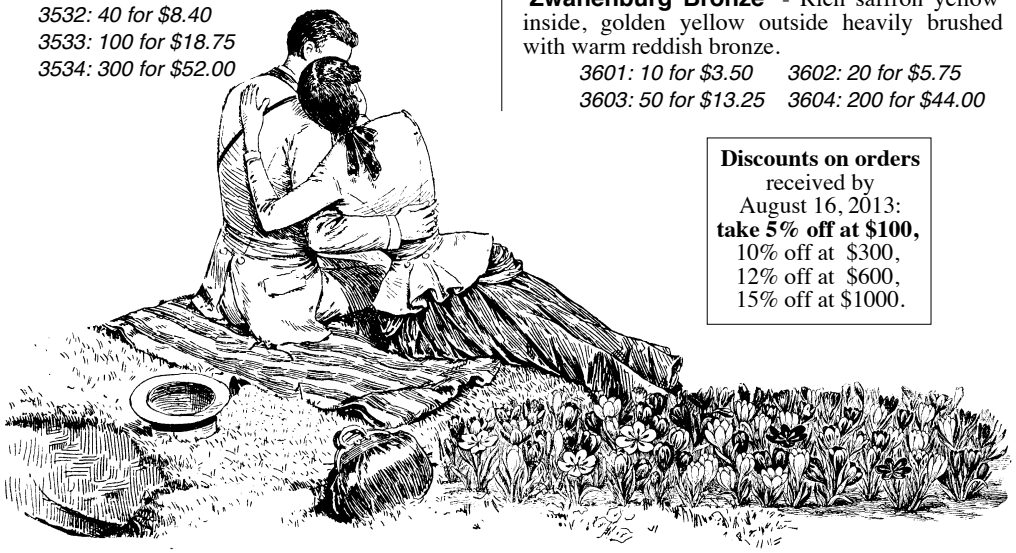


'Yellow Mammoth' - *Crocus* x *luteus* (*C. flavus* x *C. angustifolius*) - The classic big yellow crocus, perhaps the most popular crocus variety for over 300 years, is also sold under the names Golden Yellow, Giant Yellow, and Grote Geele. Vigorous, 2-5 large flowers per corm. Sterile; spreads by offsets. Blooms slightly before the Jumbo Crocuses, and often is grouped with them. Z3-8, 4-6", VE-ES. 9cm/up.

3611: 10 for $4.40 *3612: 20 for $7.70*
3613: 50 for $17.50
3614: 200 for $61.00

Corsican Crocus - *C. minimus* - Lilac purple inside with a pale yellow throat. Outer petals are strikingly veined and feathered in dark purple over light purple edges. Attractive flower blooms after most crocuses are done. One or two flowers per bulb. Native to Corsica and Sardinia. Z3-8, 2-3", MS. 5cm/up.

3621: 10 for $6.25 *3622: 20 for $10.50*
3623: 50 for $24.75 *3624: 200 for $89.00*

'Tricolor' - *C. sieberi* sbsp. *sublimus* f. *tricolor* - Golden orange throat banded with white makes a vivid center in these bright lilac-blue blooms. Not subtle but sublimely striking in the garden or forced indoors. Sometimes the flowers emerge before the leaves; flowers open wide and starlike. One to three scented flowers per corm. Vigorous species native to Greece and Crete. Z4-8, 2-3", VE. 5cm/up. ✦¢✦

3631: 10 for $2.60 *3632: 20 for $4.30*
3633: 50 for $10.00 *3634: 200 for $33.00*

➢ **C. tommasinianus - Woodland Crocus** - Slender flowers with pointy petals, 1-2 flowers per corm, and a very pronounced white stripe on the leaves. Doesn't compete well in grass, but easily reseeds itself and forms colonies in gardens. Of all the crocus we offer, the most tolerant of moisture during the dormant period. Native to Bulgaria and Dalmatia. Z3-8, 3-4", VE. 5cm/up.

'Barr's Purple' - Soft amethyst-violet flowers are silvery outside. Spreads easily.

3641: 10 for $3.00 *3642: 20 for $5.00*
3643: 50 for $11.50 *3644: 200 for $39.00*

'Ruby Giant' - Deep purplish red with a lighter base and margins. Large, vigorous and free-flowering.

3651: 10 for $2.75 *3652: 20 for $4.60*
3653: 50 for $10.40 *3654: 200 for $34.00*

'Whitewell Purple' - Reddish-purple very wide petals, silvery mauve inside. Quickly forms showy clumps.

3661: 10 for $3.00 *3662: 20 for $5.00*
3663: 50 for $11.50 *3664: 200 for $39.00*

➢ **C. vernus - Jumbo** or **Dutch Crocus** - While admittedly "jumbo" relative only to other crocuses, these are the most commonly grown crocus. Slightly later than the smaller species. Good for bedding, naturalizing and forcing. Solitary flowers do equally well in sun or partial shade. Divide every 3-4 years to prevent overcrowding. Z3-8, 4-6", VE-ES. 9cm/up.

'Flower Record' - Deep violet-mauve flowers with a purple base. Spreads readily. Popular since its introduction in Victorian times as **'Crocus Purpurea Grandiflora'**.

3671: 10 for $4.75 *3672: 20 for $7.90*
3673: 50 for $17.75 *3674: 200 for $65.00*

'Jeanne d'Arc' - Gleaming pure white petals and bright orange pistils. Pair it with any other for brilliant contrast.

3681: 10 for $4.40 *3682: 20 for $7.70*
3683: 50 for $17.50 *3684: 200 for $62.00*

'Pickwick' - White petals striped with lilac to purple veins. A customer in Waldoboro has created an amazing drift of these fresh spring beauties.

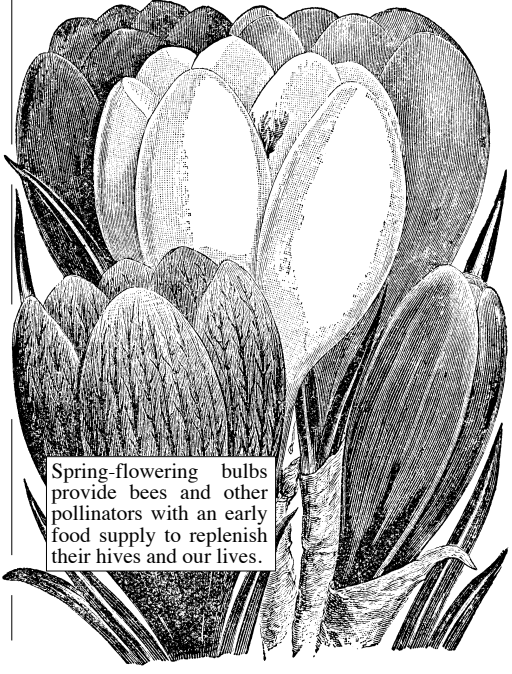
3691: 10 for $4.40 *3692: 20 for $7.70*
3693: 50 for $17.50 *3694: 200 for $61.00*

'Remembrance' - Sleek upward-reaching blue-violet flowers. A silvery-lilac sheen highlights its subtle beauty.

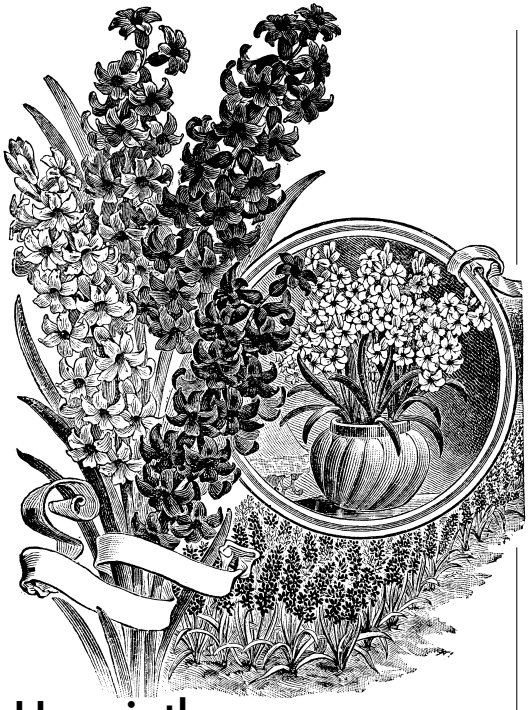
3701: 10 for $4.40 *3702: 20 for $7.70*
3703: 50 for $17.50 *3704: 200 for $63.00*

Jumbo Crocus mix - Yellows, whites, purples, blues and stripes, for large-scale naturalizing or border plantings. Landscape size, 7-8cm.

3711: 20 for $5.50 *3712: 40 for $9.00*
3713: 100 for $21.00 *3714: 300 for $56.00*



Spring-flowering bulbs provide bees and other pollinators with an early food supply to replenish their hives and our lives.



Hyacinths *Hyacinthus orientalis* were more popular than either tulips or daffodils 130 years ago. Their heady fragrance and range of color make them a favorite in the spring. The wafts of perfume from around the yard are wonderful—even passers-by notice the scent. An old Persian proverb says that if you have two loaves of bread, you should sell one to buy hyacinths.

For best showing year after year, plant bulbs deep in rich well-drained soil in full sun and fertilize each fall. After the first year, the florets are slightly smaller and not as dense. Grow them in the border in close bunches or meandering drifts. Because a natural compound in the bulbs can cause "hyacinth itch," wear gloves during planting, and wash with cold water and plain soap after handling the bulbs.

Z4-8, 8-12", ES.

Hyacinth Glass - The classic shape displays the bulb securely, with plenty of room for roots. Add interest with small stones or beach glass in the base. Clear, antiqued wavy heavy glass, with dimples around the "waist" to ensure good drainage around the bulb. 5 3/4" tall, 3 1/2" diameter.

4811: 1 for $4.25
4812: 3 for $10.75
4813: 6 for $19.00
4814: 12 for $36.00

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.

'Delft Blue' - Rich soft porcelain blue. The classic hyacinth color that goes with everything. In the current-day city of Delft there still exists one factory making the blue porcelainware as they have for over 350 years. 16-17cm.

4821: 3 for $4.00 *4822: 6 for $6.60*
4823: 12 for $12.00 *4824: 48 for $42.00*

'Gipsy Princess' - Creamy pastel yellow makes a wonderful counterpoint to dark hyacinths, like 'Woodstock'. Nice complement to narcissus or an early tulip. 15-16cm. ✦¢✦ **NEW!**

4831: 3 for $3.75 *4832: 6 for $6.25*
4833: 12 for $11.25 *4834: 48 for $38.00*

'Gipsy Queen' - Soft salmon and peach with touches of pink. The closer you get, the more amazing the color patterns. 15-16cm.

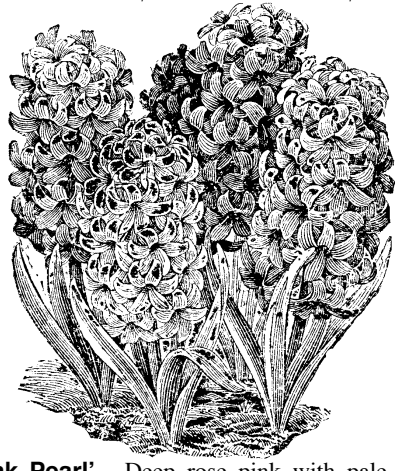
4841: 3 for $3.75 *4842: 6 for $6.25*
4843: 12 for $11.25 *4844: 48 for $39.00*

'Jan Bos' - Bright, very deep cerise-red. Slight white blush in the center of each floret. 16-17cm.

4851: 3 for $4.00 *4852: 6 for $6.60*
4853: 12 for $12.00 *4854: 48 for $42.00*

'Peter Stuyvesant' - Deep blue to royal purple. Strong sun fades many dark varieties, but Peter holds color well. Also bred for strong stems to withstand hard wind and rain. 15-16cm.

4861: 3 for $3.75 *4862: 6 for $6.25*
4863: 12 for $11.25 *4864: 48 for $38.00*



'Pink Pearl' - Deep rose pink with pale pink edges. Very fragrant. 16-17cm.

4871: 3 for $3.75 *4872: 6 for $6.25*
4873: 12 for $11.25 *4874: 48 for $39.00*

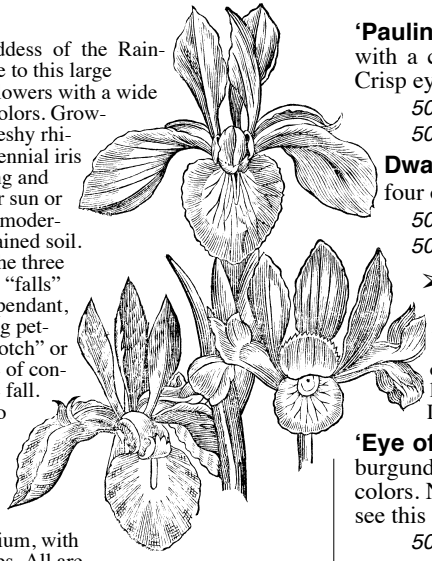
'Woodstock' - Marvelous rich violet-red color, like beets with a hint of magenta. Very full flower and definitely a stand-out. 15-16cm.

4881: 3 for $3.75 *4882: 6 for $6.25*
4883: 12 for $11.25 *4884: 48 for $38.00*

Hyacinth mix - The above colors and more. 15-16cm.

4891: 6 for $6.00 *4892: 12 for $10.00*
4893: 24 for $19.00 *4894: 96 for $72.00*

Iris, Greek goddess of the Rainbow, lends her name to this large genus of beautiful flowers with a wide range of sizes and colors. Growing from bulbs or fleshy rhizomatous roots, perennial iris are superb for cutting and borders. Most prefer sun or dappled shade with moderately fertile well-drained soil.



"Standards" are the three smaller erect petals; "falls" are the three larger pendant, reflexed or spreading petals. The "crest," "blotch" or "signal" is the blaze of contrasting color on the fall. Bulbous Iris fall into three groups, all beardless: Reticulata, with netted bulbs; Juno, with fleshy roots on the bulbs; and Xiphium, with papery-covered bulbs. All are dormant in summer.

See p. 8 for bearded iris and p. 16 for Japanese and Siberian irises.

➢ **DWARF IRIS** - Smaller delights, blooming in very early spring. 3-6", Z4-9. 5cm/up, except where noted.

I. danfordiae - Fragrant, brilliant lemon-yellow flowers. Falls display an orange crest with small olive spots; tiny bristly standards and erect narrow leaves. Often the first iris to bloom. Native to Turkey; prefers hot summers. 3-6", VE.

5011: 10 for $4.00 5012: 20 for $6.35
5013: 50 for $15.75 5014: 100 for $30.00

I. histroides 'Katharine Hodgkin' - Light blue standards with royal blue to purple striping. Pale lavender-streaked falls are highlighted by a yellow crest splashed with deep purple spots. Really beautiful flowers. 3" across. 4-6" tall, ES.

5021: 10 for $4.75 5022: 20 for $8.00
5023: 50 for $18.50 5024: 100 for $34.00

I. reticulata - Bursts of color in early spring for the lawn, border or rock garden. Robust and hardy, spreads easily once established. Also good for forcing. Leaves are short at flowering time, later grow to 10-12". 4-6", VE-ES.

'Dark Blue' - Rich purple-blue nearly horizontal standards and darker falls contrast smartly against a yellow and white crest. Hardy dwarf tolerates late snows and hard frosts with no loss of color.

5031: 10 for $3.40 5032: 20 for $5.65
5033: 50 for $12.75 5034: 100 for $22.00

'Harmony' - Velvety royal purple-blue falls with a yellow crest, and lavender-blue standards. Fragrant and long-lasting. 6cm/up. ✦¢✦

5041: 10 for $3.40 5042: 20 for $5.65
5043: 50 for $12.75 5044: 100 for $21.00

'Pauline' - Very dark blue-purple, almost black, with a contrasting pure white crest (no yellow). Crisp eye-catching miniature.

5051: 10 for $4.60 5052: 20 for $7.60
5053: 50 for $17.10 5054: 100 for $31.00

Dwarf Iris Mix - An early spring mix with four or more miniature standouts.

5061: 20 for $5.60 5062: 40 for $9.15
5063: 100 for $21.25 5064: 200 for $37.00

➢ **DUTCH IRIS** - Widely popular, the Dutch Iris *I. hollandica* is actually a hybrid of *I. xiphium*, *I. tingitana*, and *I. latifolia*. Among the best cutflowers, with elegant airy blooms on stiff stems; cut when buds are plump. Also lovely clumped in the border. Z5-8, 16-24", LS-ESu. 8cm/up.

'Eye of the Tiger' - Purple standards and deep burgundy falls with a yellow eye. Rich deep colors. Never having looked a tiger in the eye, we see this as an exotic bird. **BACK!**

5071: 10 for $4.00 5072: 20 for $6.35
5073: 50 for $15.75 5074: 100 for $30.00

'Sapphire Beauty' - Rich velvety purple-blue standards and slightly lighter blue falls, like 'Blue Ribbon' or 'Blue Star'. Prominent complex golden-yellow crest. 20-22".

5081: 10 for $3.00 5082: 20 for $5.25
5083: 50 for $11.50 5084: 100 for $20.00

Dutch Iris mix - The above and more! ✦¢✦

5091: 20 for $5.50 5092: 40 for $9.75
5093: 100 for $21.00 5094: 200 for $37.00

See color photos and order online
www.fedcoseeds.com

Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

➢ **RHIZOMATOUS IRIS** listed here are beardless. Plant their rootstocks just below soil level.

See page 8 for rhizomatous bearded iris.

Japanese Iris - *I. ensata* syn. *I kaempferi* - The largest blooms among the iris, often 5" across, with huge horizontal falls and small standards, 3-4 per stem. Arching narrow leaves form graceful clumps attractive around ponds or streams. Plant 6-8" apart in slightly acid soil, in full sun or partial shade. Prefers moisture during active growth and flowering. Often takes 2 years to establish, then is best left undisturbed for a long time. Can be planted in large pots for convenient display during bloom time. Native to Japan and northern China. Z4-9, Su. #1 fieldgrown transplants.

'Picotee Wonder' - Substantial white falls with a broad violet-blue edge. Short standards, white with slender purple-blue edge, bring me to a standstill every time I see them. I ask, "How can this fine line of color so perfectly outline the ruffled edge"... 30-32".

5101: 1 for $4.20 *5102: 3 for $10.50*
5103: 6 for $18.90 *5104: 24 for $74.00*

'Pink Lady' - Soft pink, with rose-pink veins, slightly paler at the edge. 32-35".

5111: 1 for $4.20 *5112: 3 for $10.50*
5113: 6 for $18.90 *5114: 24 for $75.00*

'Royal Robes' - Looking richly textured, large plum-violet falls with darker veins have a purple band around a prominent yellow-and-white signal blotch. Huge flowers can be 6-8" across. Small standards in shades of lilac. 28-36". **NEW!**

5121: 1 for $4.20 *5122: 3 for $10.50*
5123: 6 for $18.90 *5124: 24 for $74.00*

Japanese Iris mix - Sublime blooms in blue, lavender, violet, and white. 24-36". ✦¢✦

5131: 3 for $10.75 *5132: 6 for $19.00*
5133: 12 for $37.00 *5134: 24 for $70.00*

Siberian Iris - *I. siberica* - Delicate beardless flowers on thin stems, up to 5 per stem held above the foliage. Good for cutting. Tall slender foliage in clumps looks great all summer grouped in borders or naturalized in colonies. Low maintenance, easy to grow; tolerates poor dry soil, but performs best in rich moist acid soil. Plant 12-15" apart in full sun or partial shade. Give them room to spread; divide tight clumps and clumps with open centers every few years. Z3-9, SU. #1 fieldgrown transplants.

'Butter and Sugar' - Creamy white standards with Jersey butter-yellow falls. Their 2' stems make especially good cutting, and their use in tall arrangements is just delicious. When renowned Maine iris breeder Dr. Currier McEwen introduced 'Butter and Sugar' in 1970, it was the world's first yellow Siberian iris. 26-28".

5141: 1 for $3.50 *5142: 3 for $8.75*
5143: 6 for $16.75 *5144: 24 for $58.00*

'Super Ego' - Light to medium sky blue to pale purple petals with darker veins on falls rather broad for a Siberian Iris. Finely etched purple, yellow & white crest; standards pale lilac with darker veining. Compact at 28-32". **NEW!**

5151: 1 for $3.50 *5152: 3 for $8.75*
5153: 6 for $16.75 *5154: 24 for $59.00*

'Susan's Siberian' - Deep rich blue. Rescued by a friend from the University of Maine greenhouse compost bin years ago. Very similar to 'Caesar's Brother', if not it. Eco-grown in Maine. **BACK!**

5161: 1 for $3.75 *5162: 3 for $9.40*
5163: 6 for $17.00 *5164: 24 for $61.00*

'White Swirls' - Creamy white blooms with a yellow blotch marking the throat. Even though it can reach 30", its compact habit makes 'White Swirls' excellent for container planting, or tucking into a small space in the border.

5171: 1 for $3.25
5172: 3 for $8.25
5173: 6 for $15.00
5174: 24 for $60.00

Siberian Iris Mix - A mix of five varieties, in blue, lavender, purple and white. Again, an excellent bargain this year. 24-40".

5181: 3 for $9.00
5182: 6 for $16.00
5183: 12 for $29.00
5184: 24 for $49.00

Use daylilies, irises, lilies, or other later-emerging plants to help mask yellowed bulb leaves.

For other planting tips, info on sold-out varieties, or to order online, please visit our website at **www.fedcoseeds.com/bulbs.htm**

Lily - *Lilium* -

Queens of the Perennial Border, excellent as bedding plants or cutflowers, lilies are wonderful either as individual specimens or in solid masses. These true lilies bear their large six-pointed flowers on erect unbranched stems. They do well in light shade, which will prolong summer blooms, or in full sun if mulched to keep the bulbs cool. Since lily bulbs are not completely dormant when shipped, do not let them dry out before planting. Plant bulbs 6-8" deep, 6" apart in rich, well-drained slightly acid soil with good humus content. Z3-8. 16-18cm, unless otherwise noted.

'Black Jack' - Asiatic hybrid. Unforgettable glistening vermilion-ruby-red up-facing blooms. The deeper red center has myriad dark red spots that disguise the stamens and anthers. Relatively flat-faced 5-6" (and sometimes larger) flower with slight recurved petal edges. 36-48", ESu.

5191: 1 for $3.75 *5192: 3 for $9.40*
5193: 6 for $17.00 *5194: 12 for $30.00*

'Conca d'Oro' - Orienpet (Oriental x trumpet) hybrid. Large mildly recurved petals are creamy white at the outer edges, turning to golden towards the center where a verdant green descends into the throat and shoots back out the stamens, topped by copper-colored anthers. Stunning. 36-38", LSu.

5201: 1 for $3.75 *5202: 3 for $9.40*
5203: 6 for $17.00 *5204: 12 for $31.00*

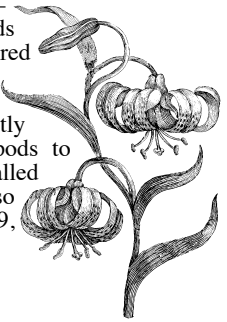
'Lollypop' - Asiatic hybrid. Starry hot-pink petals dusted with tiny reddish-brown spots, and a creamy white throat. Outward-facing 3-6" blooms; more floriferous than many Asiatic types. 18-32", E-MSu.

5211: 1 for $3.75 *5212: 3 for $9.40*
5213: 6 for $17.00 *5214: 12 for $30.00*

'Stargazer' - Oriental hybrid. Large 6-7" fragrant star-shaped flowers have deep rose-red slightly recurved petals with narrow white edge and a profusion of darker red spots. A familiar and choice specimen at late summer farmers' markets in Maine. 36-48", M-LSu.

5221: 1 for $3.75 *5222: 3 for $9.40*
5223: 6 for $17.00 *5224: 12 for $31.00*

Lilium pumilum - **Coral Lily** or **Scarlet Turk's-Cap Lily** - From a central stalk, sends out 5–30 pendent coral-red "Turk's Cap" blooms on 3" stems. 1–1½" flowers are lightly scented and tightly recurved. Remove seed pods to lengthen plant life. Also called **Siberian Lily**, though also native to Mongolia. Z3-9, 18-24", MSu. 10cm/up.



5231: 1 for $5.00
5232: 3 for $12.75
5233: 6 for $22.50
5234: 12 for $40.00

Oriental Lily Mix - The five or more varieties in this mix of 34-38" Oriental hybrids will draw a crowd to your garden in August. Delight your guests with all-pinks, all-whites, bicolors with lighter borders, even some with spots! Great as cutflowers, or let them stand in display beds.

5241: 3 for $9.90 *5242: 6 for $17.25*
5243: 12 for $31.00 *5244: 24 for $58.00*

Got Lily Leaf Beetle?

Also known as Scarlet Lily Beetle, *Lilioceris lilii*, this pest only eats Liliaceae. Infestations have increased explosively in Maine in the past few years. We've heard of several techniques that may be worth your time.

From some professional gardeners Downeast: When you see the mother (she's red), she probably has already laid her eggs. Pick her off.

Put on a pair of soft cotton gloves and spray them heavily with diluted neem oil solution. Starting at the base of the lily stalk, run your gloved hand up under the leaves to the top of the stalk. This will coat the leaves with neem and kill any eggs that happen to be there.

Spraying the neem oil is not enough—you need to get the stalk and the undersides of the leaves coated by using the soaked glove. Neem oil will not kill the mother. Using this treatment along with daily checks, they are seeing fewer beetles.

A vigilant customer uses a 1:8 dilution of liquid Dr. Bronner's Peppermint soap in water. "It works [even] if I have to spray many times a summer. I have my lilies and I don't worry about them. I never go outside without my spray bottle." She also reports that it "contact kills" ticks, carpenter ants, slugs and the parent red lily beetle, which the proponents of neem oil admit that it does not do.

Narcissus

are known to many of us as daffodils. The word daffodil originally referred to the wild narcissus of England and Wales. Horticulturally speaking, there are currently 12 divisions within the narcissus genus with Division 1 being the trumpets and Division 7 the jonquils (another term some folks use to refer to all narcissus). Defining features include the size and shape of the the flower's cup (also known as the crown, corona, or trumpet) and of the surrounding petals or perianth, the ratio between the two, and the number of flowers per stem.

Narcissus thrive in full sun as well as dappled shade. Many white varieties need bright sun to mature their initial yellow or cream coloring to white, most pink and dark varieties hold their color better in semi-shade, and the pink varieties that open yellow or coral generally turn true pink faster in sun. Pink and red varieties hold their color longest during cool wet springs.

The voracious deer will not eat narcissus, as they are toxic, witness the May 2009 episode that sent school-children in Martlesham Heath, Suffolk, England to the hospital; in cooking class, they inadvertently put one in the soup along with the onions from the school garden.

Wonderful for beds, borders, cutflowers, forcing, and naturalizing. They will return year after year as long as the soil is well drained and the foliage is not cut until it has completely died back. During dry years, water late varieties in mid-spring to ensure bloom.

Topsize bulbs (the largest ordinarily available for each variety) except where noted otherwise. Landscape size bulbs are one size smaller and less expensive than topsize, for gardeners who plan their floral displays on the landscape scale. Exhibition size is even larger than topsize; developed for the spring flower exhibitions in Europe, the giant bulbs produce larger and more spectacular floral displays.

Z3-8 (except where noted).

See color photos and order online
www.fedcoseeds.com

➢ **TRUMPET (division 1)** - The classic shape; the cup is the same length as or longer than the perianth, and the miniatures maintain the same ratio. One flower per stem.

'Dutch Master' - Large yellow petals and scalloped, flared and notched yellow trumpet. A prolific and improved 'King Alfred', slightly taller, longer bloom time, and more flowers per bulb. Ours bloomed for nearly three weeks in the cool wet spring of 2011. 18-20", ES-MS.

Exhibition size **'Dutch Master'** - The case where bigger really is better. 19-21cm giant bulbs grown in the U.S.

6011: 5 for $8.75 *6012: 10 for $15.25*
6013: 25 for $34.00 *6014: 100 for $119.00*

Topsize **'Dutch Master'** 16cm/up.

6021: 5 for $4.00 *6022: 10 for $6.60*
6023: 25 for $14.75 *6024: 100 for $51.00*

Landscape size **'Dutch Master'** 14-16cm.

6031: 10 for $5.25 *6032: 20 for $8.75*
6033: 50 for $19.50 *6034: 200 for $70.00*

'Foresight' - Soft white petals frame a rich butter-yellow trumpet. Strong grower, long-lived, great for naturalizing. 14-16", MS. Eco-Grown. Landscape size. **Maine Grown. BACK!**

6041: 5 for $7.00 *6042: 10 for $12.00*
6043: 25 for $28.00

'Las Vegas' - A showy performer, with creamy white petals and a yellow flaring trumpet, wider and with more flare than 'Holland Sensation'. The first 100 bulbs we sell will be organically grown in Freedom, Maine; thereafter we will supply bulbs from Holland. 16-18", ES-MS.

6051: 5 for $7.00 *6052: 10 for $12.00*
6053: 25 for $28.00 *6054: 100 for $99.00*

'Mt. Hood' - Opens creamy, matures to pure white. Broadly overlapping petals and a wide-mouthed wavy-edged trumpet. Straightforward classic form that is also one of the finest whites. Z3-6, 15-17", MS.

6061: 5 for $5.75 *6062: 10 for $9.50*
6063: 25 for $22.00 *6064: 100 for $82.00*

'Topolino' - A standout miniature to place in the front of the border or in containers, where its short stature will be seen. Petals open creamy white, maturing to bright white, with a long slim primrose-yellow fluted cup. Z4-8, 6-8", ES-MS.

6071: 5 for $4.25 *6072: 10 for $7.50*
6073: 25 for $17.00 *6074: 100 for $59.00*

Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

➢ **LARGE CUP (division 2)** - Flaring, ruffled, or edged cups, in a wide range of colors and shapes. Cup length is more than a third the length of the perianth but less than equal to it. One flower per stem.

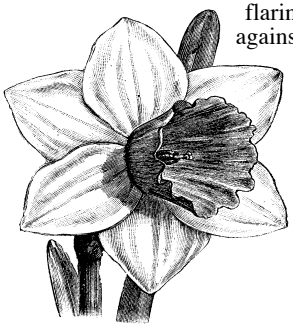
'Carlton' - Yellow petals, deeper golden cup nearly long enough to be a trumpet. The world's most planted narcissus; also multiplies rapidly. Vanilla fragrance. 18-20", ES-MS. ✦¢✦

6081: 5 for $4.25 *6082: 10 for $7.50*
6083: 25 for $17.00 *6084: 100 for $60.00*

Landscape size '**Carlton**' for naturalizing. 14-16cm.

6091: 10 for $8.00 *6092: 20 for $13.25*
6093: 50 for $29.50 *6094: 250 for $115.00*

'Cool Flame' - Ruffled salmon-coral wide-flaring cup set off smartly against brilliant cool-white petals. Long flower stalks hold the flowers well above the foliage. Reliable, long-lived perennial, and fabulous for the vase. 16-18", MS.



6101: 5 for $6.00
6102: 10 for $10.00
6103: 25 for $24.00
6104: 100 for $89.00

'Fortissimo' - Huge golden yellow overlapping petals with a giant slightly frilly cup which opens apricot and matures to deep burnished orange. Truly enormous flowers: put them in a vase and stand back! Vigorous too—from a patch of five bulbs planted over a dozen years ago, Gene and Joanna get over 50 of these 4" blooms every year. 18-20", MS.

6111: 5 for $5.75 *6112: 10 for $9.60*
6113: 25 for $22.25 *6114: 100 for $76.00*

'Ice Follies' - Large white perianth, flat wide ruffled cup opens bright yellow, fades to creamy white. Widely grown; second-most popular narcissus worldwide. Good forcer. 16-18", ES-MS.

6121: 5 for $4.75 *6122: 10 for $8.00*
6123: 25 for $18.25 *6124: 100 for $63.00*

Landscape size '**Ice Follies**' for naturalizing, at an excellent price. ✦¢✦

6131: 10 for $5.60 *6132: 20 for $9.40*
6133: 50 for $20.50 *6134: 200 for $73.00*

'Mrs RO Backhouse' - Curved delicate white petals, with a cup that starts as a warm butterscotch pink and matures to peachy pink with a deeper pink lip, and fades off into blush. Registered in 1921, first real pink developed, and still a stunner. Landscape size. 14-16", MS-LS. *Limited supply*. Eco-grown. **Maine Grown. BACK!**

6141: 5 for $7.00 *6142: 10 for $12.00*
6143: 25 for $28.00

'Salomé' - One of the most popular pinks. The long cup opens buttery yellow, and gradually turns soft pink with a yellow rim. Surrounded by ivory petals. 16-18", MS.

6151: 5 for $4.00 *6152: 10 for $6.75*
6153: 25 for $15.00 *6154: 100 for $53.00*

'St. Patrick's Day' - Broadly overlapping yellow petals form a 4" flower with a frilly yellow cup. A lime-green eye peeks out and tinges the whole cup. 12-14", MS.

6161: 5 for $3.80 *6162: 10 for $6.40*
6163: 25 for $14.25 *6164: 100 for $51.00*

'Stella' - Flowers open with six distinct light-yellow daisy-like petals (the stars) surrounding a narrow yellow cup. Petals fade toward white as the blooms mature. We've sold these for years as **Sara's Stars**, and have finally identified what we believe to be their true name. Sara brought these durable and prolific lovelies to Maine in the early 1960s. Landscape size. 12-14", MS. *Limited supply*. Eco-grown. **Maine Grown.**

6171: 5 for $7.00 *6172: 10 for $12.00*
6173: 25 for $28.00

➢ **SMALL CUP (division 3)** - Cup length is one-third or less of the perianth length. One flower per stem.

'Altruist' - Eye-catching red-orange shallow cup on appealing and unusual amber-tinted petals. 12-18", MS.

6181: 5 for $6.90 *6182: 10 for $11.75*
6183: 25 for $27.25 *6184: 100 for $95.00*

Narcissus continues on p. 23

Ordering Information

The discount deadline is Friday, August 16, 2013. Please mail your order early enough for us to receive it by the deadline, or get online at fedcoseeds.com before Friday at 4pm.

Final order date for early shipment items (pp. 6-9) is also Aug. 16.

To encourage group and co-op orders, we offer the following **volume discounts** on orders **we receive** by the **Aug. 16** deadline:

5% on orders $100 and up
10% on orders $300 and up
12% on orders $600 and up
15% on orders $1000 and up

Discounts are calculated from the order Subtotal on p. 22 (not including shipping).

Orders received after Aug. 16 do not earn volume discounts and should expect some items to have sold out; check online for up-to-date info.

Friday, August 30, is the final order date.

We process and ship orders in the sequence we receive them. If you want your bulbs early, please order early.

Minimum order: $10 (not including shipping).

Web orders: Order at **www.fedcoseeds.com**.

Mail orders: Please use pen to help us process your order accurately. **Send** your order form, with payment to: **Fedco Bulbs, PO Box 520, Waterville, ME 04903**. Keep a copy. If you wish us to confirm receipt of your order, enclose a stamped self-addressed postcard. If you need another copy of the order form, download the pdf from our website, or phone us at (207) 426-9900.

We do not take phone or fax orders.

Payment: We accept Visa, MasterCard, AmEx and Discover; by mail, checks and money orders as well.

Group orders: Only one shipping charge (if any), and the group's Subtotal determines the discount (if any). As with all Fedco orders, a second order over $50 from the same group earns the same discount level as the first. See our website for info on organizing an online group order.

By mail, collect and send to us at one time with one payment all the order forms from all your group members (keep copies for your use). Use a copy of the order form as a cover sheet for group address and payment.

We make one shipment (or two, if you've got "E items" pp. 6-9) to one address with members' orders individually packed and labeled. Group pickup orders must be picked up all at once.

Questions? Problems?

Call us at 207-426-9900 or send an email to **questions@fedcoseeds.com**.

Shipping Information

Shipping to the continental US: we ship via UPS Ground or USPS Priority Mail, our choice. **Minimum shipping charge**: $6. Orders over $60 pay 10% of Adjusted Total (after discounts, if any).

Orders going to **Alaska, Hawaii** and **APO/FPO** go Priority Mail; provide a **mailing** address and pay 20% of Adjusted Total ($12 minimum).

going to:	Adj. total:	shipping charge:
continental US	up to $60 over $60	$6 10% of Adjusted Total
AK, HI, APO/FPO	up to $60 over $60	$12 20% of Adjusted Total

Sorry, no shipments to Canada.

Shipping regular items begins Sept. 25 and ends Oct. 8. No rush orders or expedited shipping. If you have not received your order by October 17, please contact us.

Shipping early items begins just after Labor Day. See pp. 6-9.

Pickup Information

Pick up your order, shop for surplus bulbs, or browse our selections of perennials and woody plants at our **Fall Bulb and Plant Sale** on Friday, Oct. 11, from 9am-3pm. We will send you a confirmation postcard with directions and your order number in late September. Pickup orders pay no shipping charges, but do pay 5% Maine sales tax.

We guarantee the quality of our bulbs, and warrant that all items we offer are fully satisfactory. If you are dissatisfied for any reason, we will replace the item or refund the purchase price.

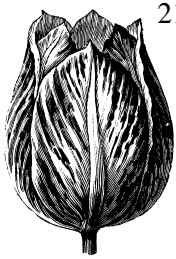
Please inspect and check over your order upon receipt and use the enclosed form to notify us immediately of any problems. If you notice problems next spring, let us know immediately. Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price. The liability of Fedco Seeds, Inc., for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability.

Claims for any defects in Fedco's products should be presented to Fedco as soon as possible after discovery. Failure to assert claims within 30 days after discovery renders this warranty null and void.

Order form missing? Download another from www.fedcoseeds.com/requests.htm

Fedco Bulbs 2013

PO Box 520 Waterville ME 04903
www.fedcoseeds.com



(from mailing label) CC - _____

Farm or Group Name _____

Name _____

Deliver this order to: (We ship by Priority Mail or UPS ground, our choice based on weight.)

US Mail _____

Town _____ St _____ Zip _____

UPS (include road name) _____

Town _____ St _____ Zip _____

phone _____ Will you accept Substitutions? Yes ❑ No ❑

email _____

Volume Discounts if received by 8/16/13 take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.
Early shipment & regular items may be combined for volume discounts.

Please choose one delivery option: ✔
UPS or Priority Mail ❑
Pickup on 10/11/13 ❑
We need your address even if you are planning to pick up your order.

Subtotal from other side		
Volume Discount from **Subtotal**		−
1% Member Discount from **Subtotal**		−
Adjusted Total		=
Maine residents and pickup orders **only** Add 5% **Sales Tax**		+
Shipping		+
Grand Total		=

continental US	up to $60 over $60	$6 10% of **Adjusted Total**
AK, HI, APO/FPO	up to $60 over $60	$12 20% of **Adjusted Total**

❑ Donate all my refund to MOFGA
❑ Donate up to $5.00
❑ Donate up to $2.00

Deadline for discounts is Friday, August 16.
Deadline to order early shipment items (E1011-E1294, pp 6-9) is August 16.
Final order deadline is Friday, August 30.

We accept Visa, MasterCard, AmEx, Discover — $25 minimum,

Exp. Date

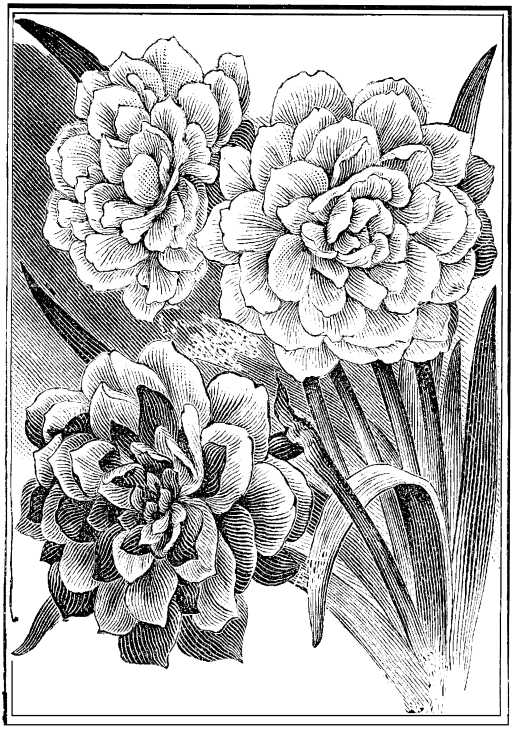
Fedco Bulbs 2013

Use this form for both early shipment and regular items. Keep a copy for your records.

	Item #	Number of packages	Number of bulbs	Description	Price per package	Total price
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

Subtotal
must be $10 or more

8/16/13: Deadline for discounts and for ordering early shipment items.
8/30/13: Final order deadline.
At **www.fedcoseeds.com** you can check for sold-out varieties, read additional information about flowerbulbs, or order online.



Narcissus, continued from p. 19

➢ **DOUBLE (division 4)** - Doubling or more of perianth or corona or both; one or more flowers per stem. Fragrant and showy; most prefer partial shade.

'Delnashaugh' - An outstanding fully double specimen. 4" ivory-white outer petals almost hidden by a profusion of ruffled rich apricot-pink and white centers. Long-lasting sterile flower. Said to be named for a hotel in the Scottish highlands with great views and even better whiskey. 14-18", MS-LS.

6191: 5 for $6.00 *6192: 10 for $10.00*
6193: 25 for $24.00 *6194: 100 for $86.00*

'Obdam' - One of the best of the doubles and Diana's favorite, named for a town in the province of Noord-Holland. Fragrant, showy, fully doubled sport of 'Ice Follies', the 3-4" flowers open creamy with yellow highlights maturing to pure white with the slightest veins of green outside at the base. Like having gardenia or rose blooms in early May.... 16-18", MS-LS.

6201: 5 for $6.25 *6202: 10 for $10.50*
6203: 25 for $25.00 *6204: 100 for $88.00*

Can't decide what to give as a gift?
We have gift certificates.
Call with a card number, Mondays or Wednesdays from 9am-3pm (our summer phone hours).
By mail, send us payment for the amount, the recipient's name, and whether we should send the certificate to you or to them, along with a catalog.
*Visa, MasterCard, AmEx, Discover **207-426-9900**

'Rip van Winkle' - Bright yellow narrow spikey twisted petals. Unique novelty miniature double resembles a contorted dandelion or a tiny cactus dahlia or Rip's hair when he woke up after sleeping twenty years. Tickles our fancy every spring. Introduced in 1884, formerly listed as *N. minor pumilis plenus*, somewhat variable bloom. Z5-8, 6-8", ES-MS. **BACK!**

6211: 5 for $4.40 *6212: 10 for $7.70*
6213: 25 for $17.50 *6214: 100 for $62.00*

'Sir Winston Churchill' - Flowers 3" across are full of creamy white petals interspersed with orange flecks. 3-5 highly fragrant blossoms per stem. A sport of 'Geranium' and a sturdy robust blast-resistant grower. Long-lasting in garden or vase. 14-16", MS. ✦¢✦

6221: 5 for $4.25 *6222: 10 for $7.00*
6223: 25 for $16.50 *6224: 100 for $60.00*

'Tahiti' - Rich golden-yellow perianth layered with lush bright gold and orange-red segments. Large long-lasting blooms with standout color and fragrance come as close to tropical exuberance as you'll find in a New England spring. 14-18", MS-LS.

6231: 5 for $6.25 *6232: 10 for $10.50*
6233: 25 for $25.00 *6234: 100 for $88.00*

'Van Sion' - organic - Also known as *Narcissus telamonius plenus*. Narrow yellow petals with catchy green streaks along the exterior and base. Once the frilly bright golden-yellow highly doubled cup bursts open, the corona is mostly overshadowed by the profusion, which varies from flower to flower and season to season. Fragrant flowers 3" across will naturalize once established in a happy location. First referenced in the early 1600s. Perhaps hardy to Zone 2. 14-16", MS. MOFGA-certified organic. **Maine Grown.** **NEW!**

6241: 5 for $6.75
6242: 10 for $11.50
6243: 25 for $27.00

'Yellow Cheerfulness' - Soft yellow gardenia-like blooms, 2-4 per stem, with subtle flecks of soft orange and a sublime scent. Introduced in 1937. 14-18", LS.

6251: 5 for $5.00 *6252: 10 for $8.50*
6253: 25 for $19.00 *6254: 100 for $66.00*

Mixed Doubles - A round-robin mix of six or more double narcissus varieties for through-the-season ace performance. Landscape size. 12-18".

6261: 10 for $7.75 *6262: 20 for $13.50*
6263: 50 for $30.00 *6264: 200 for $105.00*

➢ **TRIANDUS (division 5)** - Two to six small-medium pendent flowers per stem, with open and slightly twisted petals, and an airy delicate appearance. Fragrant flowers and slender foliage.

'Hawera' - Pale lemon-yellow miniature bred in New Zealand. 4-9 stems per bulb. Delightfully dainty flowers evoke graceful dancing fairies or butterflies. One of the smallest and most versatile narcissus. In a cool rainy year, can open very late. ADS miniature. 6-8", LS.

6271: 5 for $3.40 *6272: 10 for $5.60*
6273: 25 for $13.00 *6274: 100 for $44.00*

'Thalia' - Milky white, with delicate narrow reflexed petals and an open ruffled trumpet. A favorite of many gardeners since its introduction in 1916, and one of the few white narcissus to open truly white. The muse of idyllic poetry, her name means "flourishing." Known as the "Orchid Narcissus," it's less pendulous and more outward-facing than other Triandrus. Excellent for forcing. 12-16", MS-LS.

6281: 5 for $3.60 *6282: 10 for $6.00*
6283: 25 for $13.75 *6284: 100 for $48.00*

➢ **CYCLAMINEUS (division 6)** - One flower per stem with reflexed (back-swept) petals on a short neck (pedicel). Nice counterpoint to division 1, which bloom at the same time. More shade-tolerant than other divisions. Like slightly acid soil, perform best in cool weather, and do well in grass. 12cm/up.

'February Gold' - Rich golden-yellow with a slightly darker long frilled trumpet. This heirloom from 1923 is often the very first narcissus to bloom. The first 75 bulbs ordered will be organically grown in Maine. 6-10", ES.

6291: 5 for $3.15 *6292: 10 for $5.25*
6293: 25 for $11.75 *6294: 100 for $41.00*

'Jet Fire' - Long bright orange cup, highly reflexed golden yellow petals. Susan's first-year planting was as vigorous and floriferous as an established clump, and Joanna's 16-year-old clump explodes with hundreds of flowers. This fire really lights up the garden. 6-10", ES. ✦¢✦

6301: 5 for $3.00 *6302: 10 for $5.00*
6303: 25 for $11.50 *6304: 100 for $39.00*

➢ **JONQUILLA (division 7)** - The true jonquil. Two to five sweetly fragrant flowers per stem and narrow grass-like leaves. Perianth spreading or reflexed; cup is usually wider than it is long. Jonquils are well known in the South for naturalizing, prefer slightly alkaline soil. Z4-9.

'Baby Moon' - Lemon-yellow, with very small and unusually round cup. Very fragrant. ADS miniature. 6-8", LS. 8cm/up.

6311: 5 for $3.40 *6312: 10 for $5.60*
6313: 25 for $13.00 *6314: 100 for $42.00*

'Bell Song' - Sunproof dainty pink cup, rose-pink at the rim. Perianth opens pale yellow, turns ivory-white. Sweetly fragrant, lovely, prolific. 12-14", MS-LS. 12cm/up.

6321: 5 for $4.75 *6322: 10 for $8.00*
6323: 25 for $18.00 *6324: 100 for $65.00*

'Pipit' - Opens lemon yellow; cup quickly matures to white, with a white ring on the petals near the cup. Very long bloom time. 10-14", MS. 12cm/up.

6331: 5 for $3.15 *6332: 10 for $5.25*
6333: 25 for $11.75 *6334: 100 for $41.00*

➢ **TAZETTA (division 8)** - Up to 20 small flowers per stem with sweet fragrance. Perianth segments spreading but not reflexed. Excellent for naturalizing in warmer areas, and for vases everywhere. Tazettas for indoors (paperwhites) are on page 5.

N. canaliculatis - This ADS miniature has long been a part of our Fragrant Narcissus Mix. But so many shoppers oohed and aahed, fondled and sniffed Roberta's bouquet at the 2010 Fedco Tree Sale, that I simply had to list it on its own. White petals with golden yellow cup, flowers are barely one inch across. 4-7 flowers on a stem. Packs a lot of aromatic pleasure in a dainty package. 4-5", MS. 12cm/up.

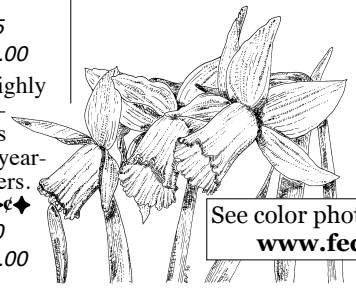
6341: 5 for $3.00 *6342: 10 for $5.00*
6343: 25 for $11.50 *6344: 100 for $39.00*

'Geranium' - Bright white petals with small vivid orange-red cup. Heavy clusters of up to 6 outward-facing fragrant flowers. Prolific. Z3-9, 12-14", MS-LS. 14/16cm.

6351: 5 for $3.75 *6352: 10 for $6.35*
6353: 25 for $14.25 *6354: 100 for $51.00*

'Minnow' - Small flowers, some white, some pale yellow, all with buttercup-yellow cups. Tolerates shade. ADS miniature. Z5-9, 8", ES-MS. 10cm/up.

6361: 5 for $2.50
6362: 10 for $4.25
6363: 25 for $10.00
6364: 100 for $33.00



See color photos and order online
www.fedcoseeds.com

➢ **POETICUS (division 9)** - Large late-blooming fragrant flowers with a pure white perianth and a small bright crinkled cup. One flower per stem. The "Poet's Narcissus" is considered by some to be the one "true" narcissus.

'Actaea' - Vigorous heirloom variety from 1927 with open rounded white petals surrounding a small red-rimmed yellow cup. Sweet fragrance. Performs much better in cool climates than warm and tolerates damp places other narcissus can't. The petals of 'Actaea' are rarely reflexed, unlike those of 'Pheasant's Eye', with which it is often confused and which blooms later. 16-18", MS-LS. 16cm/up. ✦¢✦

6371: 5 for $5.75 *6372: 10 for $9.65*
6373: 25 for $22.50 *6374: 100 for $83.00*

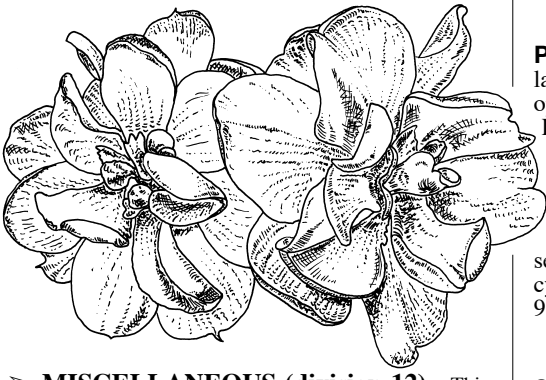
➢ **SPLIT CORONA (division 11)** - The cup is split for at least a third of its length. Very showy; good in mass plantings, grouped in the border, or as cuttings.

'Smiling Twin' - Creamy soft-white broad outer petals surround the split and flattened butter-yellow corona. Classic butterfly form. 12-16", MS. 14-16cm. ✦¢✦ **NEW!**

6381: 5 for $3.25 *6382: 10 for $5.50*
6383: 25 for $12.50 *6384: 100 for $39.00*

Butterfly Mix - Shades of white, yellow, orange and gold, many with sunbursts of color radiating from the bicolor coronas. 14-18", MS-LS. Landscape size, 14-16cm.

6391: 5 for $4.25 *6392: 10 for $7.00*
6393: 25 for $16.00 *6394: 100 for $57.00*



➢ **MISCELLANEOUS (division 12)** - This division includes all varieties that don't fit elsewhere.

'Tête-à-Tête' - Buttercup yellow petals, deeper yellow-orange cups; generally two blooms per stem. Very popular, vigorous, and easy to grow; good for forcing and naturalizing. Handsome paired with 'Persian Pearl', the magenta and yellow species tulip. Used to be classed as a cyclamineus, does have slightly reflexed petals. ADS miniature. 6-8", ES-MS. 12cm/up.

6401: 5 for $3.00 *6402: 10 for $5.00*
6403: 25 for $11.50 *6404: 100 for $38.00*

Narcissus Mixes

Fragrant Mix - A mix of sweetly scented hardy narcissus. Great for aromatic daffodil bouquets. Taller varieties that will fill your rooms with inspiring fragrance, mostly from the Large Cup, Tazetta and Poeticus divisions. 14-18". Bloom times will vary. Landscape size.

6411: 10 for $6.75
6412: 20 for $11.50
6413: 50 for $27.00
6414: 200 for $97.00

Landscape Mix - If you're looking for a large splash of springtime inspiration that will last year after year, dig into our Landscape Mix. Mostly trumpets and large cups, perhaps a few doubles, for naturalizing and broad-swath daffodil borders. 12-18". Landscape size. ✦¢✦

6421: 10 for $5.00 *6422: 20 for $8.50*
6423: 50 for $19.00 *6424: 200 for $69.00*

Pink Mix - Field-grown mix of lovely pinks to last all season. May include 'Salomé' which opens yellow and fades to a soft pink. 12-18". Landscape size.

6431: 10 for $6.75 *6432: 20 for $11.50*
6433: 50 for $27.00 *6434: 200 for $97.00*

Rockgarden Mix - Small varieties for borders and rockgardens provide a through-the-season banquet of blooms. Contains jonquilla, cyclamineus, triandrus and species narcissus. Z4-9, 4-16". Topsize by variety.

6441: 10 for $5.70 *6442: 20 for $9.50*
6443: 50 for $22.50 *6444: 200 for $83.00*

Sunshine Mix - From some bright and creative mind comes this sunny bicolor-cup mixture. Large-cup narcissus of all colors are enhanced by cheery cup rims in red, orange or pink, with contrasting cup centers. An outstanding show of mid-season blooms. 14-18". Landscape size.

6451: 10 for $6.00
6452: 20 for $10.25
6453: 50 for $24.50
6454: 200 for $87.00

Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Miscellaneous Bulbs

is the name the Royal General Bulbgrowers Association in Holland (KAVB) gives to this large group of flowers. The expensive catalogs call them specialty or accent bulbs; some call them minor or dwarf bulbs (even though some of the Alliums and Fritillarias are huge!); Louise Beebe Wilder covers most of them in her 1936 *Adventures with Hardy Bulbs*. Whatever you call them, most are uncommonly sweet, delicate, colorful, and completely welcome in the spring.

Allium - Flowering Onion

Large genus characterized by small florets held in large or small, loose or tight umbels. Sweet-smelling blooms make great fresh cutflowers or dried winter arrangements whether you cut them before or after the green seed pods begin to form. Likes full sun and well-drained soil. Most repel pests, but only when crushed do they smell like onion.

➢ LOW-GROWING ALLIUMS 6-16".

A. caeruleum - **Blue of the Heavens** - Syn. *A. azureum*. Gorgeous flax-blue florets form 1½" dense umbel. Hardy variety from Siberia gradually forms large clumps. Feed in early spring to promote leaf growth; leaves die back in spring before flowering begins. Fertilize in early spring. Z3-8, 12-16", LS-ESu. 5cm/up.

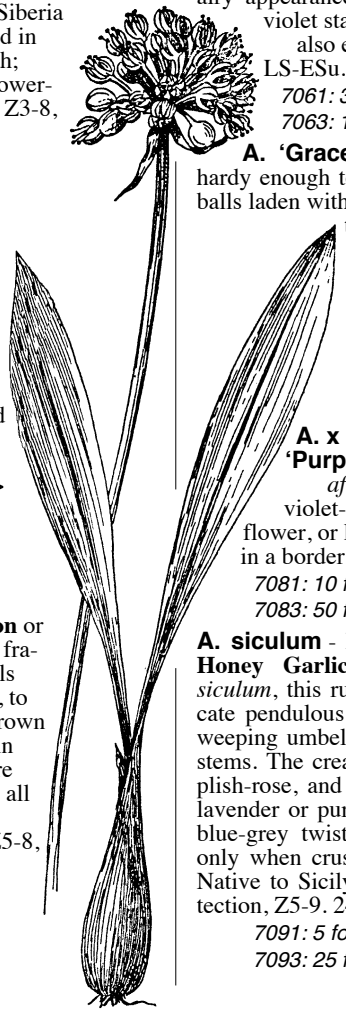
7011: 10 for $4.25
7012: 20 for $7.00
7013: 50 for $16.00
7014: 200 for $53.00

A. moly - **Lily Leek** or **Golden Garlic** - Formerly *A. luteum*. Bright yellow 2-3" umbel naturalizes easily in sunny borders, rock gardens, light woods and under shrubs. Produces many bulblets which mature quickly. Grows wild in southern Europe where it was used for centuries as a talisman. Z3-8, 6-8", LS-ESu. 5cm/up. ✦¢✦

7021: 10 for $2.00
7022: 20 for $3.25
7023: 50 for $8.00
7024: 200 for $25.00

A. neapolitanum - **Naples Onion** or **Daffodil Garlic** - This pure white fragrant bloomer with 2" loose umbels grows just to 12". It can be forced, to be enjoyed indoors in winter, or grown outdoors in borders or pots. Feed in mid-spring since leaves fade before flowering begins. Native to nearly all the lands surrounding the Mediterranean. With protection, Z5-8, 10-12", LS-ESu. 4cm/up. **NEW!**

7031: 10 for $2.40
7032: 20 for $4.00
7033: 50 for $9.50
7034: 200 for $32.00



A. oreophilum - **Pink Lily Leek** or **Mountain Onion** - Formerly *A. ostrowskianum*. Bright fuchsia-rose florets with darker midribs are held in a 2" umbel. The florets, larger than those of most allia, are lightly fragrant. One of the finest dwarfs. Z3-8, 8-10", LS-ESu. 4cm/up.

7041: 10 for $2.10 *7042: 20 for $3.50*
7043: 50 for $8.50 *7044: 200 for $28.00*

Small Allium Mix - Our own fragrant mix of four of the smaller alliums, in yellow *(A. moly)*, rose *(A. oreophilum)*, blue *(A. caeruleum)* and white *(A. neapolitanum)*. All will spread in time. Z3-8, 6-16", LS-ESu. 4cm/up.

7051: 10 for $2.35 *7052: 20 for $3.90*
7053: 50 for $9.25 *7054: 200 for $30.00*

➢ MEDIUM-HEIGHT ALLIUMS 14-36".

A. christophii - **Star of Persia** - Formerly *A. albopilosum*. The largest flower of the genus, though not as dense as others, giving it a light airy appearance. 8-12" spheres of silvery pink-violet starry florets stand out in the garden; also excellent for cutting. Z4-8, 18-24", LS-ESu. 12-14cm.

7061: 3 for $3.15 *7062: 6 for $5.25*
7063: 12 for $9.45 *7064: 48 for $30.00*

A. 'Graceful' - White mid-height allium hardy enough to thrive in our zone 4 climate. 2" balls laden with six-pointed florets and gossamer-thin pink anthers and stamens give 'Graceful' a delicate pink aura en masse. Z4-9, 14-18", LS-ESu. 6cm/up.

7071: 5 for $4.75
7072: 10 for $8.25
7073: 25 for $18.45
7074: 100 for $66.00

A. x hollandicum 'Purple Sensation' - Formerly *A. aflatunense*. Dense 3-4" ball of deep violet-purple florets. Wonderful as a cutflower, or lined along a walkway, or grouped in a border. Z4-8, 24-36", LS-ESu. 12cm/up.

7081: 10 for $6.50 *7082: 20 for $10.75*
7083: 50 for $25.75 *7084: 200 for $92.00*

A. siculum - **Mediterranean Bells** or **Sicilian Honey Garlic** - Formerly *Nectaroscordum siculum*, this rugged beauty bears up to 30 delicate pendulous bell-shaped ½-1" flowers on 2" weeping umbels from the top of slightly arching stems. The cream-colored florets are tinged purplish-rose, and make an excellent companion to lavender or purple tulips. Sharply keeled 12-16" blue-grey twisting basal leaves smell of garlic only when crushed. Plant in sun to semi-shade. Native to Sicily, southern France and With protection, Z5-9. 24-36", LS-ESu. 8-10cm. ✦¢✦

7091: 5 for $2.35 *7092: 10 for $3.90*
7093: 25 for $8.90 *7094: 100 for $29.00*

A. sphaerocephalon - **Drumsticks** - Dense ovoid 1-2" heads have a haunting color that's hard to describe: burgundy, dark reddish maroon, or maybe violet-red. Blooms lasted nearly a month in our 2004 garden. Wonderful with daylilies. Native to North America. Z3-8, 20-30", MSu. 5cm/up.

7101: 10 for $2.60 *7102: 20 for $4.30*
7103: 50 for $10.25 *7104: 200 for $33.00*

A. s. 'Hair' - This wild and wacky allium is as unruly looking as the characters in the musical that opened on Broadway in 1968. A sport of *A. sphaerocephalon*, scapes of variable heights support reddish-purple 2" flower balls which spout slender 2-3" lime-green hairy "petals" (pedicels) in all directions from early July to midsummer. Z4-8, 12-32", MSu. 5cm/up.

7111: 5 for $4.15 *7112: 10 for $6.40*
7113: 25 for $15.00 *7114: 100 for $53.00*

Wild About Alliums Mix - Five or more kinds of medium to medium-tall alliums in colors of violet, purple, blue and white; 2-4" sweet-scented umbels in early summer, 16-33". Topsize bulbs.

7121: 10 for $5.50 *7122: 20 for $9.25*
7123: 50 for $21.00 *7124: 200 for $78.00*

➢ **TALL ALLIUMS** 36-48".

'Globemaster' - Hybrid of *A. christophii*. Hundreds of deep lilac florets form a dense 6-8" ball. Spectacular long-lasting sterile flower attracts raves. Makes a remarkable dried flower for winter arrangements. Z4-8, 30-40", LS-ESu. 20-22cm.

7131: 1 for $8.00 *7132: 2 for $14.50*
7133: 3 for $20.50 *7134: 12 for $76.00*

'Mount Everest' - Like a big 6" snowball, large and showy. Really shines. Sturdy, vigorous, and long-lasting, it's the best all-white allium. A pure white form of 'Mars', itself a selection from *A. stipitatum*. Z4-8, 36-48", LS-ESu. 18cm/up.

7141: 1 for $4.50 *7142: 2 for $7.50*
7143: 3 for $10.25 *7144: 12 for $34.00*

See color photos and order online
www.fedcoseeds.com

Anemone blanda - Grecian Windflower

Small enchanting daisy-like flowers with 10-15 petals around yellow centers, with fern-like leaves. Does well as a ground cover in light shade and under deciduous trees. Easy to grow, forms compact clusters. To break dormancy, soak corms in warm water for 24 hours before planting. Wild in southeastern Europe and Turkey, in scrub meadows and rocky crevices. Z5-9, 3-6", ES. 5cm/up.

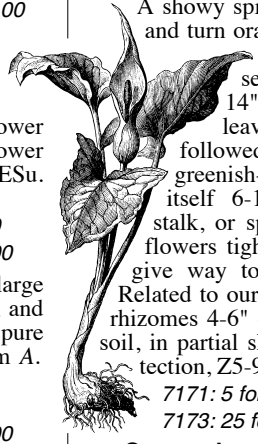
A. b. 'Blue Shades' - Rich mixed shades of blue and violet.

7151: 10 for $3.20 *7152: 20 for $5.25*
7153: 50 for $12.00 *7154: 200 for $41.00*

A. b. mix - Lovely mix of blue, pink and white.

7161: 10 for $2.90 *7162: 20 for $4.90*
7163: 50 for $11.25 *7164: 200 for $38.00*

Arum italicum
subsp. italicum 'Marmoratum'
Italian Arum or Italian Lords-and-Ladies



A showy spike of berries, which start green and turn orange then red in late summer, is the final event for this three-season performer. In spring, 10-14" arrowhead-shaped glossy green leaves with cream veins emerge, followed in early summer by a pale greenish-yellow flower hood-like spathe, itself 6-16" long. The yellow flower stalk, or spadix, contains many tiny pale flowers tightly packed on the stalk, which give way to those tightly packed berries. Related to our native Jack-in-the-Pulpit. Plant rhizomes 4-6" deep in well-drained rich moist soil, in partial shade to dappled sun. With protection, Z5-9, 12-18". Topsize. ✦¢✦ **NEW!**

7171: 5 for $5.00 *7172: 10 for $8.00*
7173: 25 for $19.00 *7174: 100 for $68.00*

Camassia quamash - Indian Hyacinth

Formerly *C. esculenta*. Full yet loose spikes of starry blossoms do well around ponds, in moist areas of light woods and the garden. Violet-blue flower cones on strong stalks. A staple of the Nez Perce diet. Sacajawea dug the roots to help keep the Lewis & Clark expedition alive. Likes sun to partial shade. Blooms after most spring flowers are gone but before early summer flowers peak. Z3-8, 12-16", LS-ESu. 6cm/up.

7181: 10 for $4.00
7182: 20 for $6.50
7183: 50 for $15.50
7184: 200 for $57.00

Chionodoxa
Glory of the Snow
Starlike flowers with white centers, 3-10 per raceme; tend to grow on one side of the stem. Does well in shade, woodland gardens and short grass as well as full sun; can eventually form colonies. Native to woods and mountains of Crete, Cyprus and western Turkey. Z3-8, 4-8", ES. 5cm/up.

C. forbesii - Formerly *C. luciliae*, *C. gigantea*. Soft blue petals, with white centers. This plus *Scilla siberica* makes a great blue lawn.

7191: 10 for $2.70 *7192: 20 for $4.60*
7193: 50 for $10.50 *7194: 200 for $33.00*

C. f. 'Alba' - Long-lasting all-white flowers. A lovely complement to one of the colored varieties, or wonderful in a mini-vase.

7201: 10 for $3.40 *7202: 20 for $5.60*
7203: 50 for $13.00 *7204: 200 for $45.00*

C. f. 'Pink Giant' - Blushing pink with white centers, sometimes bright pink at the edges.

7211: 10 for $2.90 *7212: 20 for $4.75*
7213: 50 for $11.25 *7214: 200 for $38.00*

C. sardensis - Similar to *C. forbesii*, but deeper clearer blue with smaller but more profuse flowers and a smaller white eye. Slightly longer and later bloom time. 3-6", ES-MS.

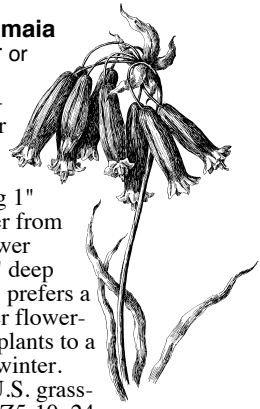
7221: 10 for $5.25 *7222: 20 for $8.70*
7223: 50 for $20.00 *7224: 200 for $72.00*

Cyclamen coum - Hardy Cyclamen
Reflexed and twisting pink petals seem to hover just above the foliage. In early spring, 1/2" flowers bloom in varying shades of pink. Beautiful rounded to kidney-shaped to heart-shaped dark green leaves are often spackled silver. Spring-flowering coum prefers partial shade. (Not to be confused with *C. hederifolium*, also called hardy cyclamen or ivy-leaved cyclamen, which blooms in late summer.) Native to mountains along the Black Sea. Z5-9, 3-5", ES. 13-15cm.

7231: 3 for $10.50
7232: 6 for $17.50
7233: 12 for $32.00
7234: 24 for $57.00

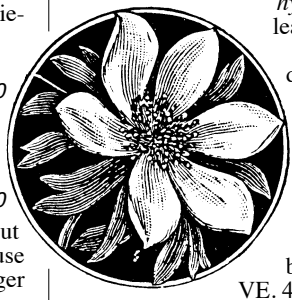
See color photos and order online
www.fedcoseeds.com

Dichelostemma ida-maia
California Firecracker or Firecracker Flower
Formerly *Brodiaea ida-maia*. Bright red tubular flower with green tips that roll back to reveal its staminodes. Nodding 1" flowers hang in a cluster from the end of its 1-2 1/2' flower stalks. Plant corms 2-3" deep after an overnight soak; prefers a dry dormant period after flowering. Move containered plants to a 40-45° location to overwinter. Native to dry western U.S. grasslands. With protection, Z5-10, 24-30", LS-ESu. 5cm/up. **NEW!**



7241: 10 for $7.00 *7242: 20 for $12.00*
7243: 50 for $28.00 *7244: 200 for $99.00*

Eranthis cilicica - Winter Aconite
Bright buttercup yellow flowers with frilly green collar which opens bronzy. Very similar to *E. hyemalis* but slightly earlier, leaves more finely dissected. Good naturalized under deciduous trees and shrubs, can spread by seed. Prefers slightly alkaline, humusy moist soil in sun or dappled shade. Tolerant of frosts and late snows. Soak corms in warm water for 24 hours before planting. Z5-7, 2-4", VE. 4cm/up.



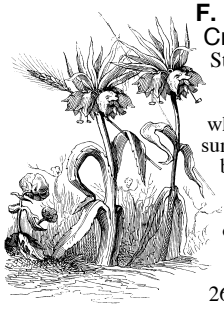
7251: 10 for $4.40 *7252: 20 for $7.70*
7253: 50 for $17.50 *7254: 200 for $61.00*

Erythronium 'Pagoda' - Trout Lily
Small graceful lily-like flowers, lemon yellow with brown spots. 2-10 blooms per plant. Mahogany-mottled soft green foliage. 'Pagoda' is a robust hybrid of two California species. Thrives in shady areas, in woodlands or under shrubs. May take a year or two to settle in before flowering; may spread to form colonies. Plant in rich soil high in organic matter about 4" apart. Z4-8, 6-12", MS. #1 transplants.

7261: 3 for $5.00
7262: 6 for $8.50
7263: 12 for $16.00
7264: 48 for $58.00

Fritillaria - Fritillary or Mission Bells

Unmistakable bell-like flowers in a variety of colors, often with the subtle checkered pattern that gives rise to the name of the genus (*fritillus* is a dice-box, in Latin).



F. imperialis
Crown Imperial

Striking cluster of 3-6 bells, 2-3" long, hangs from a leafy crown atop a tall spike. Large basal whorl of glossy leaves. Likes full sun, requires good drainage. Plant bulb sideways to prevent crown rot. Can be very long-lived if left undisturbed. Skunky odor of bulbs repels critters. In cultivation since 1500s, native northern India to Iran. Z5-7, 26-30", MS. 20cm/up.

'Aurora Maxima' - Orange to the max in this deep reddish-orange variety in the 'Maxima' series.

7271: 1 for $6.00 *7272: 2 for $11.00*
7273: 3 for $16.00 *7274: 12 for $59.00*

'Lutea Maxima' - Clear lemon-yellow flowers with light purple veining.

7281: 1 for $6.00 *7282: 2 for $11.00*
7283: 3 for $16.00 *7284: 12 for $58.00*

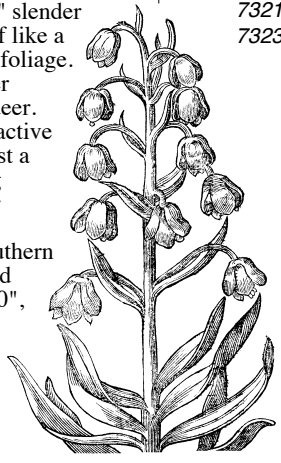
F. meleagris - Guinea-Hen Flower, Checkered Lily, or Snake's Head Fritillary

Checkered 1½" flowers are usually plum or bronze, but some are lilac-pink or white. Delicate single bells hang on slender grey-green grasslike stems. Will spread in a well-drained sheltered spot; also suitable in borders, grassy or humusy areas. Native to Europe and grows all over in meadows and along streams. Z3-8, 10-14", MS. 6cm/up.

7291: 10 for $4.25 *7292: 20 for $7.00*
7293: 50 for $16.00 *7294: 200 for $55.00*

F. persica - Persian Bells or Persian Lily

Dusky plum-purple bell-shaped 2-3" slender flowers on tall spikes, shaped sort of like a dark foxglove. Bright silvery-green foliage. Light sweet smell, unlike some other Fritillarias, but still unattractive to deer. Handsome in groups, but as the attractive flowers can be difficult to see against a dark background, plant them among yellow, pink or white tulips or other light-colored plants, or in front of a light-colored building. Native to southern Turkey, western Iran, Iraq, Israel and Jordan. With protection, Z4-8, 24-40", MS. 20-22cm. **NEW!**



7301: 1 for $7.25
7302: 2 for $12.20
7303: 3 for $16.50
7304: 12 for $60.00

Galanthus - Snowdrops or Milk Flower

Delicate frosty white 3-petaled bells with a touch of emerald green on the shorter inner segments. Often the first sign of life emerging from the melting snow. Very hardy and long-lasting, stands up to late snows, frosts and stiff spring winds. Grey-green leaves. Prefers partial shade and heavy soil, tolerates moist soil; a cool spot in a woodland garden is perfect. Can naturalize in border or lawn. Grows wild in open woods from the Pyrenees to the Caucasus. Z3-8, 4-5", VE. 5cm/up.

G. nivalis - Garden Snowdrop

These delicate single flowers are a well-known and delightful sign that spring is coming. **BACK!**

7311: 10 for $6.25 *7312: 20 for $10.50*
7313: 50 for $25.00 *7314: 200 for $88.00*

G. nivalis var. **Flore Pleno**
Double Snowdrop

Fully doubled wide-spreading flower bell is completely filled with petals. Sterile, increases from offsets. This charming variety really packs the petal power!

7321: 5 for $6.40 *7322: 10 for $10.60*
7323: 25 for $25.25 *7324: 100 for $89.00*

Discounts on orders
received by
August 16, 2013:
take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.

Hyacinthoides - Bluebell

Similar to Scilla, but taller and later-blooming, with larger bell-shaped pastel flowers on graceful racemes. Self-seeds and forms new bulbs each year to replace old ones that shrivel. Gardeners occasionally experience skin irritations on contact with flowers or foliage. Bluebells tolerate shade, moisture and a wide range of soils, also do well in full sun. Native to deciduous woodlands and moist meadows in W. Europe and N. Africa.

H. hispanica mix
Spanish Bluebell or Wood Hyacinth
Nodding clusters of lovely 3/4" bells with wide mouths and reflexed tips on all sides of sturdy stems. Pastel mix of blue, pink, and white make good cutflowers. The late-spring blooms are also excellent for hiding foliage of early bulbs. Native to Spain and Portugal. Z3-9, 8-12", LS. 8-10cm.

7331: 10 for $5.25 *7332: 20 for $8.70*
7333: 50 for $20.00 *7334: 200 for $71.00*

H. non-scripta - English Bluebell
Violet-blue flowers, sweetly scented, with 1/2-3/4" petals, narrower than *H. hispanica*, with curled-back tips. Arching racemes with flowers on one side grow 4-8" above glossy green leaves. Native to W. Europe and England, where bluebells bloom under deciduous trees not yet leafed out to form beautiful "bluebell woods." Z5-8, 12-18", MS. 6cm/up. ✦¢✦

7341: 10 for $5.90 *7342: 20 for $9.75*
7343: 50 for $22.75 *7344: 200 for $76.50*

Ipheion uniflorum - Spring Starflower

Formerly *Tritelia uniflora*. Starry 1" flowers, strongly honey scented. Several single-flowered stems arise from each pest-resistant tuber. Easy and attractive, performs best when slightly crowded. Grass-like leaves emerge in fall, make good edging, and smell like garlic only when crushed. Excellent in rock garden or front of the border, good in pots or naturalized in moist but well-drained soil, full sun to partial shade. Native to Uruguay and Argentina. Z5-10, 4-6", MS-LS. 3cm/up.

I. uniflorum Color develops from pale blue to soft violet with darker midribs.

7351: 10 for $2.60 *7352: 20 for $4.30*
7353: 50 for $10.00 *7354: 200 for $35.00*

I. u. Mix - Sweetly scented low-growing flowers in a mix of colors: pale blue, medium blue, yellow, bluish-white and violet. **NEW!**

7361: 10 for $2.60 *7362: 20 for $4.30*
7363: 50 for $10.00 *7364: 200 for $34.00*

Leucojum aestivum var. Gravetye Giant
Summer Snowflake or Lodden Lily
Again this year we offer the Giant, which has 20% larger bulbs, 30% taller plants and up to 100% more flowers per stem than the plain species for only 10% higher cost. Same pure white bells with scalloped edges and green spots and up to three times the height of Snowdrops. This tall Summer Snowflake has 5-9 faintly violet-scented flowers per stem, reminding us of giant lilies-of-the-valley. Blooms for several weeks. Will spread in a damp—but not wet—location; prefers heavy soil and bright light, but not direct sun. Species is native from Ireland to the Caucasus. Z4-9, 18-36", LS. 12-13cm.

7371: 5 for $4.90 *7372: 10 for $8.20*
7373: 25 for $18.40 *7374: 100 for $67.00*

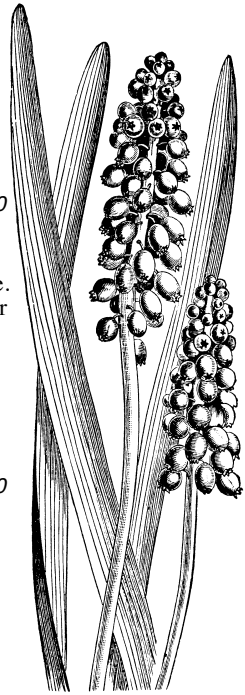
Muscari - Grape Hyacinth
Distinctive pyramidal spikes of fragrant long-lasting densely packed bells, like upside-down grape clusters. Makes attractive borders, edging, or brightly colored filler between other bulbs. They thrive and increase except in damp or shady areas. Divide when dormant in summer. Do not cut their autumn leaves.

M. armeniacum - Long racemes of bright cobalt blue with subtle white rims; good for forcing, cutting, naturalizing and filling in the border. Fragrant. The most commonly grown grape hyacinth and a great counterpoint to red, yellow, white, salmon, peach.... Z4-9, 6-8", MS. 8-9cm.

7381: 10 for $2.40
7382: 20 for $4.00
7383: 50 for $9.00
7384: 200 for $31.00

M. a. 'Blue Spike' - Tightly packed doubled flowers in bright flax blue. Sterile; flower lasts longer than other Muscari, but is slower to spread. Z4-9, 6-8", MS. 8-9cm. ✦¢✦

7391: 10 for $3.50
7392: 20 for $5.75
7393: 50 for $13.00
7394: 200 for $44.00



Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

M. botryoides 'Album' - Pearls of Spain - Sweetly perfumed pure white bells. Slender racemes look best when closely planted. Z3-8, 4-6", MS. 6cm/up.

7401: 10 for $4.75 *7402: 20 for $8.00*
7403: 50 for $18.00 *7404: 200 for $64.00*

M. latifolium - Tall, with a large dense bicolor flower; top third is deep sky-blue fading to lilac, the bottom is dark violet. Unusual single side leaf. The earliest of all Muscari, and our second-best-selling variety. Every year we enjoy these more. Z2-6, 8-12", ES-MS. 5-6cm.

7411: 10 for $2.90 *7412: 20 for $4.75*
7413: 50 for $11.00 *7414: 200 for $36.00*

M. macrocarpum 'Golden Fragrance' - "Yellow grape hyacinths?" you say, "can't be!" These are bright yellow but look more like bunches of miniature bananas than grapes, topped with pale lilac florets. The 'Fragrance' in their name is real, an added perk. Prefers dry heat during dormancy and needs winter protection in coldest zones, but I can't resist offering it again. Let us know how you liked them. Z6-8, 6-8", MS. 9cm/up.

7421: 5 for $6.75 *7422: 10 for $11.50*
7423: 25 for $27.00 *7424: 100 for $95.00*

Muscari Bluezz Mix - A jazzy little quintet of blue and white. Contains *M. armeniacum*, *M. a.* 'Peppermint' (a lovely tricolor of pale blues), *M. botryoides* 'Album', *M. latifolium*, plus chunky double *M. a.* 'Blue Spike'. 5cm/up, 4-12", ES-MS.

7431: 10 for $2.90
7432: 20 for $4.75
7433: 50 for $11.00
7434: 200 for $36.00

Nectaroscordum siculum has been moved to its new botanical name, **Allium siculum**, p. 26.

Ornithogalum umbellatum
Nap-at-Noon
or Star-of-Bethlehem

Delicate 3/4" star-shaped flowers, white with a green rib on the outside. 6-20 florets per bulb. Hardy and easy; great for a rock-garden or naturalizing, increases from bulb and by seed. Native to Europe and North Africa. Z4-10, 4-12", LS-ESu. 5cm/up.

7441: 10 for $4.00
7442: 20 for $6.60
7443: 50 for $14.75
7444: 200 for $53.00

See color photos and order online
www.fedcoseeds.com

Puschkinia scilloides
Striped Squill, Snowdrift or Early Stardrift

Formerly *P. libanotica*. Compact racemes of white to pale blue flowers, each petal striped with darker blue. 4-10 open bells per stem. Plant in full sun or light shade as drifts, in borders, or under trees. Very hardy and easy to naturalize. For some it spreads slowly, others find it quickly forms colonies. Native from the Caucasus to Lebanon, especially in grasslands near the snow line. Z3-8, 4-6", ES. 5cm/up. ✦¢✦

7451: 10 for $2.75 *7452: 20 for $4.60*
7453: 50 for $10.50 *7454: 200 for $35.00*

Scilla - Squill

Very hardy genus of nodding bells and upright stars. May be the most shade-tolerant bulb but also performs well in sun. Freely produces seed and spreads readily.

S. bifolia 'Rosea' - Twin-Leaf Squill

Soft pink starry flowers with pale centers face upward in clusters on 4" stalks. Up to 10 tiny flowers per stem. Long narrow channeled leaves. Earliest to bloom of all the scilla, and lovely dancing in the spring wind. Prefers a cool spot. Gene was thrilled to discover clumps that, after 10 years, had obviously spread by seed. Very popular in its native Europe. Z4-8, 4-6", VE. 5cm/up.

7461: 10 for $5.50 *7462: 20 for $9.00*
7463: 50 for $21.50 *7464: 200 for $75.00*

S. siberica - Siberian Squill

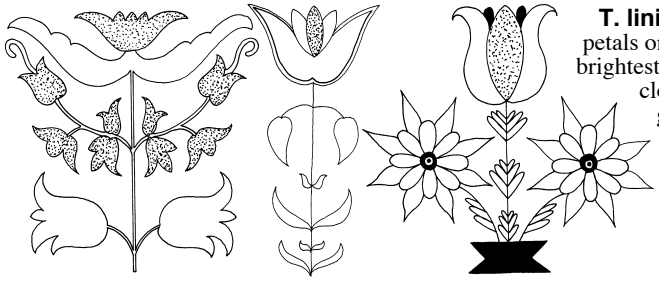
Loose clusters of delicate pendent to upright bells with a very long bloom time. Prefers cool places, under shrubs, in short grass. Excellent naturalizer, amazingly hardy, very prolific, can form great drifts. Z2-8, 6-8", ES.

Scilla siberica - Bright flax-blue bells. Lightly scented. 7-8cm.

7471: 10 for $3.00 *7472: 20 for $5.00*
7473: 50 for $11.50 *7474: 200 for $39.00*

S. siberica 'Alba' - Pure white. More gardeners should try this lovely white naturalizer. 8cm/up.

7481: 10 for $5.35 *7482: 20 for $8.90*
7483: 50 for $20.50 *7484: 200 for $71.00*



T. linifolia - Fluorescent scarlet pointed petals on a purple-black base. Possibly the brightest red tulip. Petals open fully in sun, close at night. Red-edged very wavy grey-green basal leaves. Attracting attention since 1884. Z4-8, 6-8", MS-LS. ✦¢✦

8051: 5 for $1.75
8052: 10 for $3.15
8053: 25 for $7.00
8054: 100 for $25.00

Species Tulips

The original "wild" tulips, and their cultivars which still have a "wild" look, from the center of tulip diversity in central Asia. All our stock is nursery-propagated from commercial sources and is not collected in the wild. Once established with good drainage, they tend to naturalize, unlike many of the hybrid tulips. Not tall, showy or formal, they have their own halfling charms. Topsize bulbs vary in size according to species, from 5cm *Tulipa clusiana* var. *chrysantha* to 8cm *T. tarda* to 12cm/up 'Shogun'. (division 15)

T. batalinii 'Bronze Charm' - Soft sulphur yellow becoming subtly flushed with apricot. More classic tulip shape than other species tulips. Delicate 2" miniature makes the perfect complement to a tiny tea party. Light fragrance. Wavy leaves with red margins in a rosette. Z3-8, 4-6", MS-LS.

8011: 5 for $2.00 *8012: 10 for $3.50*
8013: 25 for $8.50 *8014: 100 for $29.00*

T. clusiana - Peppermint Stick or Lady Tulip Pointed petals are white inside with a dusty crimson-pink exterior edged with white. When closed morning, evening and cloudy days, looks like candy. Opens wide in the sunshine to a big white star. One or two flowers per bulb. A good perennializer if left undisturbed. Species native to Himalayas. Z4-8, 8-12", MS.

8021: 5 for $3.25 *8022: 10 for $5.50*
8023: 25 for $12.50 *8024: 100 for $41.00*

T. clusiana var. **chrysantha** - Also called *T. chrysantha* - Rich golden yellow inside and out, accented with a large dusky rose-crimson blush on the outer petals. Opens wide in the sunshine. Wavy-edged basal leaves, 1-3 flowers per bulb. Introduced to commerce in 1607. Z4-8, 6-10", MS-LS.

8031: 5 for $3.00 *8032: 10 for $5.00*
8033: 25 for $11.50 *8034: 100 for $39.00*

T. humilis 'Persian Pearl' - Dusky magenta outside, lightly veined green. Inside deep violet-magenta with a bright yellow base. Opens wide in sun offering cheery color and sweet scent. Species native to mountains of Kurdistan. Z4-8, 4-8", ES-MS.

8041: 5 for $2.00 *8042: 10 for $3.50*
8043: 25 for $8.50 *8044: 100 for $29.00*

T. praestans 'Shogun' - Striking 3" blooms of all-over soft golden-yellow, with orange and red rays projecting from black-anthered red-orange interior base. Multifloral; opens fully in bright sun. Z4-8, 10-12", MS.

8061: 5 for $3.60 *8062: 10 for $6.00*
8063: 25 for $13.75 *8064: 100 for $49.00*

T. saxatilis - Pointed lilac-pink petals with a prominent yellow base. 1-3 flowers per stem, long bright green shiny leaves. Very easy to grow, spreads by runners. Likes hot summers, poor soil. Native to Crete. Z4-10, 6-8", LS.

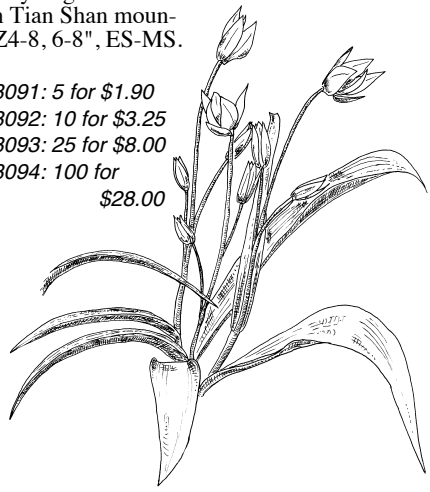
8071: 5 for $2.00 *8072: 10 for $3.50*
8073: 25 for $8.50 *8074: 100 for $29.00*

T. tarda - Syn. *T. dasystemon* - Star-shaped yellow flowers with white tips, outside white flushed with purple. Opens wide even on grey days. Very multi-floral, 4-6 flowers per bulb. Wonderful rosette of wavy basal leaves. One of the easiest to grow, spreads readily, and very long-lived. Z3-8, 4-5", MS.

8081: 5 for $2.25 *8082: 10 for $3.75*
8083: 25 for $8.75 *8084: 100 for $29.50*

T. turkestanica - One of the earliest tulips, with graceful pendulous flowers, up to 5 per stem, that sway along slender stems like wildflowers dancing in the breeze. White petals with yellow centers, flushed greyish violet outside. Flowers close up at night and on cloudy days. Very easy to grow. Native to eastern Tian Shan mountains. Z4-8, 6-8", ES-MS. ✦¢✦

8091: 5 for $1.90
8092: 10 for $3.25
8093: 25 for $8.00
8094: 100 for $28.00



To order online, go to **www. fedcoseeds.com** and click on Fedco Bulbs.

T. vvedenskyi 'Tangerine Beauty' - More like a reversed blood orange with the mix of such rich color. Brilliant scarlet-orange sensually suffuses to yellow-orange at the center of each petal. Slightly twisting, slightly reflexed 2" petals open wide in full sun above broad blue-green foliage. Z3-8, 7-9", MS-LS.

8101: 5 for $3.60 *8102: 10 for $6.00*
8103: 25 for $13.75 *8104: 100 for $48.00*

Little Stars Rockgarden Mix - Cheerful star-shaped multifloral tulips whose low-growing spreading habits make them perfect for a rock garden. Contains a mix of *T. tarda*, *T. saxatilis*, *T. humilis* 'Persian Pearl', *T.* 'Little Beauty' (deep reddish-pink petals and a steel-blue center edged with a lighter ring), and *T.* 'Little Princess' (burnt orange blushed with pink and a black center bordered with yellow), and other little stars. Z4-8, 4-6", ES-LS.

8111: 10 for $4.20 *8112: 20 for $7.00*
8113: 50 for $16.50 *8114: 200 for $49.50*

Botanical Tulip Collection - Sixty bulbs, six different species of tulips to ensure color throughout the spring for years to come in rock gardens or "close-by" borders. Ten each of *T. batalinii* 'Bronze Charm', *T. humilis* 'Persian Pearl', *T. linifolia*, *T. saxatilis, T. tarda*, and *T. turkestanica*, individually packaged and labeled. See descriptions above for color details. Plants 5-6 sq. ft. Z4-8.

8121: 1 for $19.50 *8122: 2 for $38.00*

Garden Tulip Mixes

All contain topsize bulbs, 12cm/up.

Color Parade - A multi-colored gaggle of showy shorties strut their stuff early in the season. Pink, red and yellow Kaufmanniana and Greigii tulips, both solids and bicolors, singles and multiflorals with lots of variegated foliage. 8-12".

9011: 10 for $7.15 *9012: 20 for $12.25*
9013: 50 for $30.50 *9014: 200 for $108.00*

Multifloral Tulip Mix - Multiple flowers per stem means filling the vase fast! Add many colors and blooms to your gardens and vases with this mix including bicolor yellows and reds, all-reds, hot pinks, rose pinks and all-yellows. Mostly from the Triumph and Single Late divisions. 16-20", MS-LS. **NEW!**

9021: 10 for $9.50 *9022: 20 for $16.00*
9023: 50 for $36.00 *9024: 100 for $65.00*

Non-Stop Reds Tulip Mix - Celebrate spring with a long-lasting patch of bright red color. Blend of five or more varieties selected from early, mid and late tulips. Keep that spring fire burning for weeks, come rain or shine. 12-24".

9031: 10 for $7.75 *9032: 20 for $13.50*
9033: 50 for $30.00 *9034: 200 for $109.00*

Princess Family Tulip Mix - All the members of this rich family display a characteristic plum-violet rib flame. Includes 'Prinses Irene' (a delicious salmon-orange Triumph) and members of her royal family: her father 'Coleur Cardinal' (a deep crimson Triumph); her daughter 'Orange Princess' (a nasturtium-orange Double Late); and her sister 'Rococo' (a rich red Parrot), all with flames and feathers of plum. My partner Diana is particularly fond of this mix and describes it as rich, voluptuous and earthy. 12-14", MS-LS.

9041: 10 for $7.50 *9042: 20 for $12.75*
9043: 50 for $29.00 *9044: 100 for $52.00*

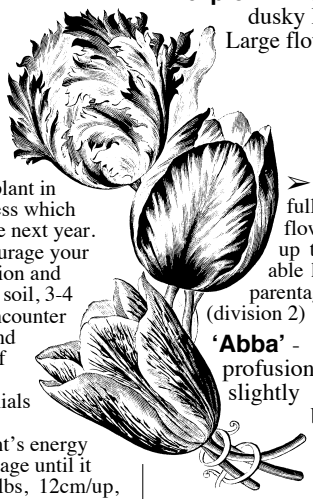
Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.

Garden Tulips

Wonderful massed or as accents, colorful highlights of spring. Most varieties are also good for cutting.

For many people, tulips are annuals to be removed and replaced yearly. Other gardeners dig their tulips in early summer after the foliage has died back to brown, ripen the bulbs in a cool dry place, and replant in fall—an admittedly time-consuming process which does increase the probability of blooms the next year.

You can also take simpler steps to encourage your tulips to come back. Choose a sunny location and plant the bulbs 8-10" deep in well-drained soil, 3-4 weeks before the ground freezes. If you encounter heavy subsoil, plant the bulbs 4-6" deep and build up a bed on top. Tulips need 1/2-1" of rain during spring growth; water during drought. Overplant with annuals or perennials to keep the soil dry during the summer. Deadhead tulips regularly to force the plant's energy back into the bulb. Don't cut or tie the foliage until it has begun to yellow. Z3-7. Topsize bulbs, 12cm/up, except where we specify Jumbo.



See p. 12 for the Classic Collection containing Tulips, and p. 33 for more Tulip mixes.

— Early Tulips —

➢ **KAUFMANNIANA HYBRIDS** have large flowers which open wide in the sun. Low-growing compact gems in striking colors. Long-lived flowers perennialize dependably. Too short for cutflowers, but they provide reliable and exuberant color in the spring garden. (division 12)

'Stresa' - Bright red, edged with yellow. Golden yellow inside with a red base and streaking. Bloomed marvelously for many years in a high-traffic area at our warehouse, until it was accidentally removed. **BACK!**

9051: 5 for $3.75 *9052: 10 for $6.25*
9053: 25 for $14.25 *9054: 100 for $49.00*

➢ **SINGLE EARLY** tulips have large long-lasting flowers. The oldest class of cultivated tulips, many are fragrant. Often perform best in cooler springs; strong stems stand up to spring winds and rain. Good for forcing and bedding. ES. (division 1)

'Apricot Beauty' - Soft apricot-pink tinged with rose and salmon on a light green base. Fragrant, truly lovely, and one of the world's best-selling tulips. 14-16".

9061: 5 for $4.75 *9062: 10 for $8.00*
9063: 25 for $18.25 *9064: 100 for $65.00*

'Mickey Mouse' - Golden yellow strongly flamed with deep red. Nothing against the Mouse, but unless it's the short stature, we don't get the connection to this bright bold flamed beauty. Slang implying insignificant or wishy-washy does not apply to this standout! 12-16". **NEW!**

9071: 5 for $3.90 *9072: 10 for $6.50*
9073: 25 for $14.60 *9074: 100 for $49.00*

'Purple Prince' - Deep bluish-purple with dusky lilac flames, reddish-purple inside. Large flowers with a scalloped edge. 12-14".

9081: 5 for $3.50
9082: 10 for $5.75
9083: 25 for $13.25
9084: 100 for $45.00

➢ **DOUBLE EARLY** tulips have full ruffled brightly colored long-lasting flowers on short sturdy stems which stand up to spring rainstorms. Somewhat variable height and bloom time, depending on parentage. Wonderful for beds and cutting. (division 2)

'Abba' - Stunning early double with a profusion of glowing current-red petals and slightly darker ribs. Contrasting yellow base and black stamens buried inside. 10-12", MS. ✦¢✦ **BACK!**

9091: 5 for $3.25
9092: 10 for $5.50
9093: 25 for $12.50
9094: 100 for $43.00

'Monsella' - Eye-catching big golden-yellow 5" blossoms with flames and flares of scarlet red all over. An early "double-peony" look that garners much attention at the Fedco Tree Sale. 10-14", ES-MS.

9101: 5 for $4.25 *9102: 10 for $7.00*
9103: 25 for $16.00 *9104: 100 for $58.00*

Double Early Mix - A sassy group of four or more early doubles for the front row of your garden beds and borders. 10-14", ES-MS.

9111: 10 for $7.40 *9112: 20 for $12.40*
9113: 50 for $27.75 *9114: 200 for $99.00*

➢ **FOSTERIANA** tulips bloom early, along with narcissus. Rich vivid large single flowers have enormously long petals. Reasonably long-lived, good for forcing. 12-16", ES. (division 13)

'Juan' - Gleaming orange flower with its buttercup yellow base and dark stamens really wowed 'em in a vase at Fedco's Tree Sale in late April. The 3 1/2" petals opened fully into a reflexed star shape; more than a few admirers said they "had to touch it to see if it was real." ES-MS.

9121: 5 for $4.15 *9122: 10 for $6.85*
9123: 25 for $15.40 *9124: 100 for $52.00*

'Red Emperor' - Huge blooms of fiery red on a black and yellow base. One of the all-time favorites; also known as '**Madame Lefebre**'.

9131: 5 for $3.90 *9132: 10 for $6.50*
9133: 25 for $14.60 *9134: 100 for $50.00*

Emperor Mix - A royal mix of Fosterianas for big, bold, early color. We planted some outside the new Fedco Trees warehouse in autumn 2011, and this late-April-blooming mix has garnered rave reviews each year.

9141: 10 for $7.40 *9142: 20 for $12.40*
9143: 50 for $27.75 *9144: 200 for $99.00*

➢ **GREIGII** tulips bear large wide-opening blooms. Good for bedding and forcing, bulbs tend to be long-lived and perennialize well. Attractive foliage is streaked and/or mottled in burgundy. (division 14)

'Red Riding Hood' - Bright flowers are carmine-red outside, scarlet-orange inside with a black base. Multifloral: its 3-5 flowers per stem add up to a prolific bloom. 12-14", MS.

9151: 5 for $4.25 *9152: 10 for $7.15*
9153: 25 for $16.00 *9154: 100 for $55.00*

'Toronto' - Deep salmon pink tinged with red. Multifloral: 3-5 flowers per stem. 12-14", MS.

9161: 5 for $3.90 *9162: 10 for $6.50*
9163: 25 for $14.75 *9164: 100 for $51.00*

— Mid-season Tulips —

➢ **TRIUMPH** tulips result from crossing Single Late varieties with Single Early, and have the widest range of colors. The best class of tulips for forcing, also widely grown for cutflowers. Foliage dies back early; easily removed or overplanted. MS. (division 3)

'Bastogne' - Deep blood red, with cardinal red flames and a yellow base. Large flowers with light fragrance. 18-20".

9171: 5 for $3.60 *9172: 10 for $6.00*
9173: 25 for $12.75 *9174: 100 for $44.00*

'Happy Family' - Rich rose-pink with lavender overtones and softer pink edges. Multifloral: forms a whole "family" of 4-5 blooms per stem over an extended blooming period. Forces well. 18-20".

9181: 5 for $5.00 *9182: 10 for $8.50*
9183: 25 for $19.00 *9184: 100 for $69.00*

'Laura Fygi' - This deep orange—almost vermilion—flower with golden-yellow edges changes its hue in different lights and settings. Named for a noted jazz singer from the Netherlands. Improvise in your garden or in your vase with lovely, lyrical 'Laura'. 20-22". ✦✿✦

9191: 5 for $3.50 *9192: 10 for $5.75*
9193: 25 for $12.50 *9194: 100 for $44.00*

'Passionale' - Lilac-purple with deeper purple flames, beetroot interior with a yellow base. 14-16".

9201: 5 for $3.75
9202: 10 for $6.25
9203: 25 for $14.25
9204: 100 for $49.00

'Prinses Irene' - Stunningly rich salmony-orange petals are finely etched with a plum-violet flame. Fragrant. Popular for forcing. 12-14".

9211: 5 for $3.80 *9212: 10 for $6.40*
9213: 25 for $14.50 *9214: 100 for $51.00*

To help mask yellowed bulb greens as the plants go dormant, interplant with later-emerging plants such as lilies, rhizomatous iris, daylilies, or hosta.

Discounts on orders received by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

'Rajka' - Stunning Bing-cherry-red tulip with pointed petals bordered in white. Invitingly opens wide in warm sunshine to show its all-white interior which somehow is also translucent, revealing the maroonish exterior. Closing up at night, this beauty will impress with over a week's worth of show. 18-20", MS. **NEW!**

9221: 5 for $4.75 *9222: 10 for $8.00*
9223: 25 for $18.00 *9224: 100 for $65.00*

'Ronaldo' - Dark reddish-purple with a lighter burgundy edge and a lustrous smoky sheen. 18-20".

9231: 5 for $4.00 *9232: 10 for $6.60*
9233: 25 for $14.75 *9234: 100 for $52.00*

'Shirley' - Delicate marble-ivory with a fine purple edge which evolves into a broad lavender blush as the flower matures. Shows a different color every day. 18-20".

9241: 5 for $3.70 *9242: 10 for $6.20*
9243: 25 for $12.60 *9244: 100 for $46.00*

Pastel Triumph Mix - Soft but not wishy-washy, easy on the eyes with no sharp edges, just quiet beauty. This calming blend's display will promote tranquility in the neighborhood. Topsize Triumph bulbs.

9251: 10 for $5.90 *9252: 20 for $9.75*
9253: 50 for $23.00 *9254: 200 for $83.00*

Shock the Neighbors - Your neighbors plant only red and yellow tulips? Wake them up with our mix. Years ago Gene planted 'Prinses Irene' with 'Orange Emperor' and 'Purple Prince', her royal counterparts and color complements, and really fell for the beautiful vibrant combination. Overplant with 'Jolly Joker' pansies for maximum effect. Our formula mix of topsize bulbs.

9261: 10 for $7.25 *9262: 20 for $12.25*
9263: 50 for $28.00 *9264: 200 for $98.00*

➢ **DARWIN HYBRID TULIPS** are often sold as "Perennial Tulips" because they can last years longer than many other tall hybrid tulips. They result from crossing old Darwin varieties with Fosteriana. Large long-blooming weather-resistant flowers in brilliant colors borne on tall sturdy stems. 20-30", MS. (division 4)

'Apeldoorn's Elite' - When I was in Washington at that state's Tulip Festival in early April 2011, this stunner was one of the few tall tulips already blooming in the fields. Brilliant vermilion petals edged in buttercup. A purple-black base inside is clearly outlined in yellow.

9271: 5 for $3.75
9272: 10 for $6.25
9273: 25 for $14.00
9274: 100 for $45.00

'Apricot Impression' - The broad rose center, lengthy pale peach band, and soft yellow edges combine to make a fine apricot impression. Sturdy 20" stems support a 3" pastel with punch.

9281: 5 for $4.00 *9282: 10 for $6.60*
9283: 25 for $14.50 *9284: 100 for $49.00*

'Daydream' - Opens yellow, matures to rich apricot, with touches of yellow and rose. Fragrant. Stunning, says Gene.

9291: 5 for $3.60 *9292: 10 for $6.00*
9293: 25 for $13.00 *9294: 100 for $44.00*

'Golden Parade' - Big bold golden-yellow flowers, occasionally touched with red at the petal's rim. Pair it with 'Parade' for a quintessential tulip combination. ✦¢✦ **NEW!**

9301: 5 for $3.00 *9302: 10 for $5.00*
9303: 25 for $11.50 *9304: 100 for $39.00*

'Gudoshnik' - Creamy yellow with varying and growing amounts of red streaks, dapples and flames as each flower matures. No two are alike; one of Gene's favorites and he has a connoisseur's eye. Impressive en masse or solo.

9311: 5 for $4.90 *9312: 10 for $8.40*
9313: 25 for $18.90 *9314: 100 for $69.00*

'Ollioules' - Pinky cream flowers are heavily brushed with silvery pink and lavender. Edges fade to white with maturity. Wonderfully elegant. Ollioules (pronounced *ole-yule*) is a town at the center of the French flower industry.

9321: 5 for $3.75 *9322: 10 for $6.25*
9323: 25 for $14.00 *9324: 100 for $45.00*

'Parade' - Big dramatic signal-red blooms on a yellow-edged black base. Similar to 'Oxford' which it replaced due to its extraordinarily affordable price. ✦¢✦

9331: 5 for $3.00 *9332: 10 for $5.00*
9333: 25 for $11.50 *9334: 100 for $39.00*

'Pink Impression' - Deep rose exterior with deep pink veins, light pink flames, and delicate pink edges; inside light pink and pale rose. Taller and larger than most, with lots of subtle gradations, and quite gorgeous. 30-36". Jumbo bulbs at 14cm/up.

9341: 5 for $4.00 *9342: 10 for $6.85*
9343: 25 for $15.85 *9344: 100 for $59.00*

Darwin Hybrid mix - A mix of yellow, red, apricot, white, pink and more. Makes a perennially perfect bouquet.

Jumbo **Darwin Hybrid mix**, 14cm/up. **BACK!**

9351: 5 for $3.80 *9352: 10 for $6.30*
9353: 25 for $14.20 *9354: 100 for $47.00*

Topsize **Darwin Hybrid mix**, 12cm/up.

9361: 10 for $5.50 *9362: 20 for $9.25*
9363: 50 for $21.75 *9364: 200 for $78.00*

➢ **PARROT** tulips have fringed and scalloped petal edges, very showy—some would say wild or unruly. Name comes from the flower in bud, said to resemble a parrot's beak. Large blooms need room and weather protection. Wonderful cutflowers that really fill up the vase. 12-14", MS-LS. (division 10)

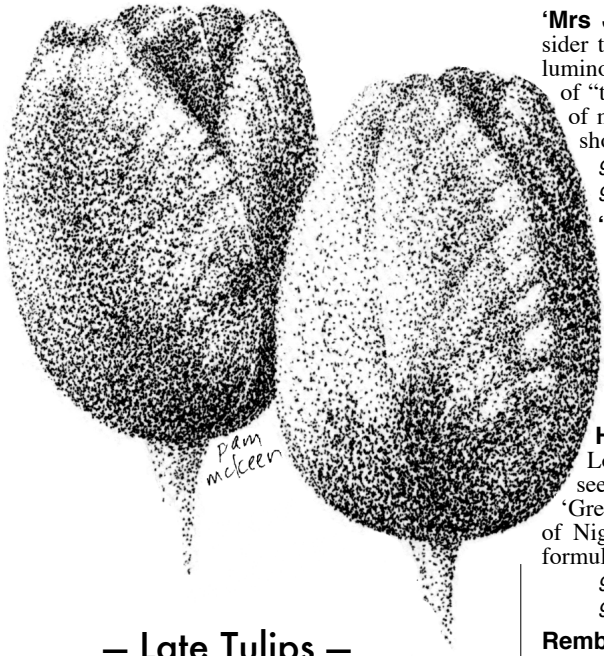
'Bright Parrot' - Glistening fire-engine red with bright lemon-yellow coloring the petal edge in the undulating parrot style. Bi-color squawker proves red-and-yellow tulips aren't always plain.

9371: 5 for $4.20 *9372: 10 for $7.00*
9373: 25 for $16.50 *9374: 100 for $60.00*

'Rococo' - Carmine red with ruffled petal borders, central ribs warmly splashed in shades of green and plum. Bred from 'Coleur Cardinal' and quite delicious to behold.

9381: 5 for $4.20 *9382: 10 for $7.00*
9383: 25 for $16.50 *9384: 100 for $59.00*

See color photos and order online
www.fedcoseeds.com



— Late Tulips —

➢ **SINGLE LATE** tulips, also known as Mayflowering tulips, encompass the former categories of Cottage tulips (which had squared petal tops), Darwin tulips (which had rounded tops) and Breeder tulips (which were used by English florists). Many new varieties are sports and seedlings of 'Mrs John T Scheepers' and 'Temple of Beauty.' Large late-spring blooming flowers in a wide range of colors, particularly suitable for cutting. 20-28", LS. (division 5)

'Cum Laude' - About as close to blue as you're going to get in a tulip. Large flowers of campanula-violet with a slight wave at the edges. White at the base.

9391: 5 for $4.35 *9392: 10 for $7.60*
9393: 25 for $17.50 *9394: 100 for $61.00*

'Kingsblood' - Dark cherry-red with scarlet edges. One of the best reds: large, long-lasting and sturdy.

9401: 5 for $3.90 *9402: 10 for $6.60*
9403: 25 for $14.90 *9404: 100 for $53.00*

'Maureen' - Long marble-white blooms with pastel yellow undertones are stunning each year in our bed of forget-me-nots. Statuesque seedling of 'Mrs John T Scheepers'. Important variety in the cutflower trade. Tall, 24-28".

9411: 5 for $4.50 *9412: 10 for $7.90*
9413: 25 for $17.75 *9414: 100 for $61.00*

'Menton' - A medium pink with hints of violet and a subtle but distinctive apricot edge. Salmon on the inside with a yellow base. A sport of 'Renown'. Stands tall at 24-28".

9421: 5 for $3.85 *9422: 10 for $6.45*
9423: 25 for $14.50 *9424: 100 for $51.00*

'Mrs John T Scheepers' - What many consider the best yellow tulip ever developed. Rich luminous color with perfect form gives the wife of "the Tulip King" immortality. Won its first of many awards in 1930, and stands head and shoulders above all its neighbors.

9431: 5 for $4.35 *9432: 10 for $7.60*
9433: 25 for $17.50 *9434: 100 for $64.00*

'Queen of Night' - Called black, but really deep dark velvety purple-maroon with a hint of concord grape. 26-30". ✦¢✦

9441: 5 for $3.50
9442: 10 for $5.75
9443: 25 for $13.25
9444: 100 for $46.00

HooHaa Blend - Hoo-Haa, as in "Whoa! Look at that!" 'Renown' (a carmine-red seedling of 'Mrs John T Scheepers') and 'Greuze' (deep purple) with a touch of 'Queen of Night'. Glow for it. Astounding colors in a formula mix of topsize Single Late tulips.

9451: 10 for $8.50 *9452: 20 for $14.25*
9453: 50 for $32.00 *9454: 200 for $115.00*

Rembrandt-type Flaming Tulip Mix - Broken-color and flamed tulips, originally the result of a virus, were wildly popular in the early 1600s. Propagating infected plants is now stringently restricted in Holland, but breeders have created varieties resembling those depicted in paintings by the Dutch masters. A mix of white, cream and yellow Single Late varieties, broken and flamed with shades of red and purple.

9461: 10 for $8.75 *9462: 20 for $15.25*
9463: 50 for $34.00 *9464: 200 for $118.00*

➢ **VIRIDIFLORA** or "Green Flower" tulips have a broad green flame up the petals. The color combinations are dramatic and beautiful in the border; the flowers are long-lasting, both in the garden and the vase. Especially rewarding as cutflowers in order to contemplate their complexity up close. People miss some wonderful cultivars when they let the word 'green' scare them away. LS. (division 8)

'Esperanto' - Red petals with green midribs that appear darker in bright light. Leaves have a white edge, and the green flames have touches of white edges. Named for the language proposed to bring together all cultures on earth. If only the language had the success of this beautiful specimen. 12-14". **NEW!**

9471: 5 for $4.40 *9472: 10 for $7.35*
9473: 25 for $16.55 *9474: 100 for $59.00*

'Virichic' - Very chic, indeed. Pink petals with a midrib flame of lime green. Translucent petals can appear soft pink on overcast days, and approach hot pink on a sunny day. 18-22". **NEW!**

9481: 5 for $4.60 *9482: 10 for $7.60*
9483: 25 for $17.25 *9484: 100 for $62.00*

➢ **LILY-FLOWERED** tulips have elegant pointed petals reflexed from a slender "waist" and long thin sturdy stems. Appearance is similar to the Ottoman tulips of the 18th century, but all were bred in the 20th. Striking and graceful in the garden or vase. 18-24", LS. (division 6)

'Ballerina' - Shimmering long-lasting tangerine blooms lightly touched with crimson and lemon. Incredibly lovely. Sweet scent around dusk reminds me of my grandmother's lipstick.

9491: 5 for $3.90 *9492: 10 for $6.50*
9493: 25 for $14.25 *9494: 100 for $47.00*

'Synaeda King' - Crimson high-waisted petals are set off by lemon yellow edges that don't quite meet at the pointed petal tips. Flower opens wide in warm locations to reveal a yellow base.

9501: 5 for $4.25 *9502: 10 for $7.00*
9503: 25 for $16.00 *9504: 100 for $59.00*

'White Triumphator' - Opens creamy, then becomes a true white. Registered in 1942, this heirloom is still considered one of the very best forms. Long-lasting bloom, almost 3 weeks one warm wet spring.

9511: 5 for $4.25 *9512: 10 for $7.00*
9513: 25 for $16.00 *9514: 100 for $60.00*

Lily-Flowering Mix - Graceful elegance in the above colors and more, for an eye-catching rainbow effect.

9521: 5 for $3.75 *9522: 10 for $6.25*
9523: 25 for $14.25 *9524: 100 for $50.00*

➢ **FRINGED** tulips have exotic long-lasting blooms with a finely cut fringe. Cultivated since 1925 when the first one appeared. Also known as Crispa tulips. LS. (division 7)

'Fringed Rhapsody' - Like its parent 'Gander's Rhapsody', this wonderful tulip opens yellow and evolves as it matures to a yellow-flecked vermilion-rose with a crystalline gold fringe at the edges. 22-24".

9531: 5 for $4.15
9532: 10 for $6.85
9533: 25 for $15.50
9534: 100 for $57.00

Discounts on orders we receive by August 16, 2013: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

➢ **DOUBLE LATE** tulips have a fully doubled, ruffled appearance similar to peonies. Very fashionable in the mid 17th century, considered too flamboyant in the mid 20th, now enjoying a renewed popularity. Wonderful in beds, borders and vases. 14-18", LS. (division 11)

'Angelique' - Shades of pale pink with lighter edges. This well-known fragrant and delicate beauty is our best-selling peony-flowered tulip. A very popular garden tulip, it is also good for forcing.

9541: 5 for $3.90 *9542: 10 for $6.50*
9543: 25 for $14.75 *9544: 100 for $52.00*

'Blue Diamond' - Deep violet blue. Large beautifully formed flower, chock full of petals.

9551: 5 for $3.90 *9552: 10 for $6.50*
9553: 25 for $14.75 *9554: 100 for $51.00*

'Freeman' - A sweet mix of pastel rose-pink and yellow with a few flames of spring green on the outer petals, opening to vibrant yellow inside. Joanna loves these in a vase.

9561: 5 for $4.00 *9562: 10 for $6.60*
9563: 25 for $14.90 *9564: 100 for $54.00*

'Mount Tacoma' - Pure white. One of the fullest doubles and a great complement to just about anything.

9571: 5 for $4.00 *9572: 10 for $6.60*
9573: 25 for $14.90 *9574: 100 for $53.00*

Peony Double Mix - Packs petal power in a dramatic range of colors. Solids, bicolors, blushes, brushes and flames for your cutting garden and vase. 6-8 varieties.

9581: 10 for $8.00 *9582: 20 for $13.75*
9583: 50 for $29.75 *9584: 200 for $109.00*

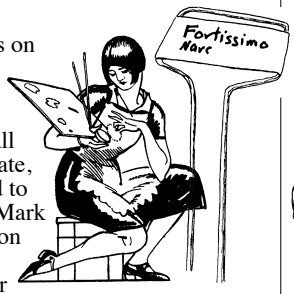
Organic Growers Supply takes orders year-round, offering work gloves, Bug Baffler clothing, more styles of plant markers, soil amendments and organic fertilizers, season extenders, books, and other tools and supplies for farm, garden and orchard. **www.fedcoseeds.com/ogs.htm**

Bulb Fertilizer

Our own blend of slow-release fertilizers, 5-5-4 percent by weight plus trace minerals for long-term availability: non-GMO soybean meal, rock phosphate, K-mag (langbeinite), greensand and kelp meal. Immediate availability percentage is 3.0-2.6-2.2. Permitted on MOFGA-certified organic farms. No animal by-products means no dogs or skunks will be digging up your bulbs. Use 1-2 tsp per bulb mixed into loosened soil below planting depth, or 5# per 40-50 sq. ft. as a topdressing after planting and again each spring.

9591: 5# for $6.75 *9592: 10# for $11.00*
9593: 20# for $19.00 *9594: 50# for $38.00*

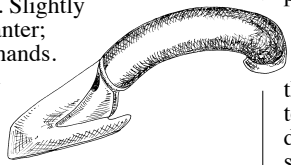
Plant Markers



Zinc-coated nameplates on galvanized steel wire provide long-term outdoor labeling. Cap-style marker is 10 1/2" tall with a 7/8 x 2 1/4" nameplate, tilted slightly backward to provide easy viewing. Mark with included soft carbon pencil or with grease pencil for erasability, or with hard pencil or ball-point pen for permanent embossed label.

9601: 10 for $7.75 *9602: 25 for $14.75*
9603: 50 for $29.00 *9604: 100 for $54.00*

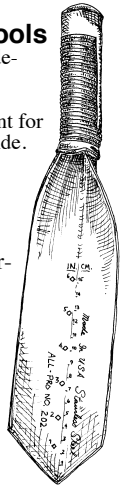
Radius Ergonomic Trowel



- 11 3/4" long, 3 1/4" wide trowel made from lightweight cast aluminum magnesium alloy. Slightly smaller than the Transplanter; works better for smaller hands. Cushioned foam-covered curved handle directs the power of your hand and arm efficiently. Sturdy ergonomic tool helps avoid bruised palms and sore wrists and elbows. Made in China.

9611: 1 for $16.00 *9612: 2 for $30.00*

Wilcox All-Pro Heavy-Duty Tools



These strong one-piece tools are nearly indestructible, and will not rust or bend, even digging in hard soil. Formed stainless steel V-shaped blade is 3" wide, has a sharp point for cutting sod or soil, and an etched depth guide. A comfortable non-slip easy-grip plastic handle, and a leather thong for wrist or hanging. Made in Iowa.

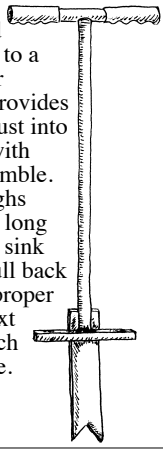
14" Digging Trowel - With its 9" long blade, this is our favorite on-your-knees garden tool.

9621: 1 for $18.00
9622: 2 for $33.00

22" Long-handled Trowel - Same style blade as above, but the extra length between the 8" blade and the easy-to-hold handle gives you even more leverage digging in hard soil for naturalizing projects. **NEW!**

9631: 1 for $25.00 *9632: 2 for $46.00*

Long-Handled Naturalizing Tool



3x8" tempered steel blade is beveled, sharpened and notched at the business end, and welded to a shaft of 1" steel pipe. A foot bar welded to the top of the blade provides the "persuasion" necessary to bust into rough terrain. A 12" T-handle with plastic grips completes the ensemble. Lifetime professional tool weighs approximately 8 lbs and is 38" long overall. Step on the foot bar to sink the blade, push handle away, pull back to open the hole. Place bulb at proper depth, move 4-6" forward to next spot and repeat the process which will help close the previous hole.

Made in Maine.

9641: $55.00

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